Symantec dlp 15. 5 admin guide

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Symantec™ Data Loss Prevention System Maintenance Guide

Version 15.0



Symantec dlp 15.5 admin guide.

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89 Configure and Use Smart Responses 98 Verify Incident Data Views Creation 95 Create the Views Schema and User . 96 Run the Incident Data View Setup Script 100 Create ICT Tag Policy for File Discovery 104 iv Symantec Data Loss Prevention 15.5 Administration Lab Guide Copyright © 2019 Symantec Corporation. All Rights Reserved Introduction Symplified Healthcare is a private health system with US locations in California, Utah, and Texas, as well as recent expansions into Canada and Mexico with one location in each country. In the last five years, Symplified Healthcare has worked at developing better treatments and potential cures for cancer, conducting state-of-the-art research, and creating new drug testing protocols. Due to the nature of current healthcare systems, Symplified Healthcare processes thousands of transactions for electronic payments, insurance claims, diagnostics, and other operations. These transactions generate thousands of electronic records that must be kept immediately accessible to all authorized parties but at the same time safeguarded from any form of unauthorized access. Symplified has always had a well-funded and supported IT team that works on securing patient information has been handled within the organization. However, recently in the past month, an employee of a competing hospital was caught disseminating private patient information to outside organizations for profit. This incident demonstrated the importance of ensuring that critical information does not leave the hospital network and get into the wrong hands. At Symplified Healthcare the number of back-end systems and endpoint computers is immense. The majority of the back-end administrative systems are still managed on-premises, but IT management is gradually moving to adopt a hybrid of on-premises and public cloud infrastructure. There are endpoints in the Legal, Finance, and Administration departments. Symplified Healthcare has been improving the healthcare industry by creating software used throughout their locations. Competitors have shown interest in the innovations and have been attempting to replicate the software for their own use. As the new IT Security Manager at Symplified, your task will be to recognize and protect these assets and data from accidental (or deliberate) misuse by internal employees. As we address the needs and requirements of this organization throughout the exercises in this lab guide, we will use the following lab systems. System Name Username Password Enforce Symplified\Administrator train Symplified\Administrator train Endpoint OCR Symplified\joe user train At different points in the lab, you will be asked to login to these lab virtual machines (VMs). For clarity each exercise will indicate which VM you should be using with headers that look like this: Login to these lab virtual machines (VMs). For clarity each exercise will indicate which VM you should be using with headers that look like this: Login to these lab virtual machines (VMs). For clarity each exercise will indicate which VM you should be using the lab, you will be asked to login to these lab virtual machines (VMs). For clarity each exercise will indicate which VM you should be using the lab, you will be asked to login to these lab virtual machines (VMs). For clarity each exercise will indicate which VM you should be using the lab, you will be asked to login to the lab, you will be any of the provided VMs, it is recommended that you simply close the Windows Update dialog without running the updates. Updates are not needed for the lab exercises and will only cause delays in using the lab environment. 2 Introduction Copyright © 2018 Symantec Corporation. All Rights Reserved Identifying and Describing Confidential Data At Symplified Healthcare, one of the foremost security responsibilities is to safeguard patients, including PII (Personally Identifiable Information), as well as financial transaction data from patients, insurance companies, and medical providers. As a manager over IT security, your responsibilities is to use Symantec Data Loss Prevention effectively to identify and locate confidential or sensitive data in all areas of the network and come up with a set of policies that will protect that data from both outside influence and internal misuse. In this section, you will compose policies to identify the type of PII that require protection, as well as required PCI compliance for financial transactions. 3 Copyright © 2019 Symantec Corporation. All Rights Reserved Exercise 1: Tour of the Enforce Console In this exercise, you will become familiar with the Enforce Console In this exercise, you will become familiar with the Enforce Console In this exercise, you will become familiar with the Enforce Console In this exercise, you will become familiar with the Enforce Console In this exercise, you will be come familiar with the Enforce Console In this exercise, you will be come familiar with the Enforce Console In this exercise, you will be come familiar with the Enforce Console In this exercise, you will be come familiar with the Enforce Console In this exercise, you will be come familiar with the Enforce Console In this exercise, you will be come familiar with the Enforce Console In this exercise, you will be come familiar with the Enforce Console In this exercise, you will be come familiar with the Enforce Console In this exercise, you will be come familiar with the Enforce Console In this exercise, you will be come familiar with the Enforce Console In this exercise is the exercise of the Enforce Console In this exercise is the exercise of the Enforce Console In this exercise is the exercise is the exercise of the Enforce Console In this exercise is the exe Username: Symplified\Administrator Password: train 2. Double-click the Firefox shortcut on the desktop to launch a web browser window. Note: The browser should start directly at the DLP Enforce console web UI when opened. You can also navigate directly to the console UI start page by entering the following URL into the web browser: 3. From the Symantec Data Loss Prevention Console window, use the following (case-sensitive) credentials to log into the Enforce console: Login: Administrator Password: training 4. View the Home tab. Note that this tab contains a few built-in reports and dashboards. These customizable reports (currently empty) will begin to take shape as the course continues. 5. Click the Incidents tab. On this tab you can view a list of reports and incident lists for each vector. Hovering over the Incidents tab enables you to drill down to specific reports and incident lists for each vector. Hovering over the Incidents tab enables you can figure policies, response rules, discover targets, and so on. We will use this tab later to create some DLP policies. 4 Identifying and Describing Confidential Data Copyright © 2019 Symantec Corporation. All Rights Reserved 7. Click the System tab. This tab is where all the system tab. This tab is where all the system tab. servers, endpoint agents, and so on. It is also where users, user roles, and permissions are configured. 8. Direct your attention to the button (console. The Refresh button () shows context-sensitive help for the currently displayed page in the Enforce) refreshes the console screen.) returns to the previous page. Note: Using the web browser's refresh and back buttons to navigate the Enforce console can cause unexpected behavior. Consequently, Symantec recommends that you always use the Enforce console can cause unexpected behavior. Enforce Console Copyright © 2019 Symantec Corporation. All Rights Reserved 5 Exercise 2: Create Policy Groups Scenario: Symplified Healthcare deals with many different data types including patient information and credit card information. The Symantec Corporation. All Rights Reserved 5 Exercise 2: Create Policy Groups to help reduce the number of possible false positives or duplicate incidents. Policy groups also allow Symplified to groups also allow Symplified to groups also allow Symplified to groups. 2. Click Add. 3. In the Name field, type: Symplified PII Policies 4. (Optional) Add a brief description to the Description field. 5. Click Save. 10. Use the same process to create another group entitled Classification. When finished you should see all three new entries in the list of policy groups along with the original Default Policy Group. End of exercise 6 Identifying and Describing Confidential Data Copyright © 2019 Symantec Corporation. All Rights Reserved Exercise 3: Configure a Policy for PII Detection Scenario: Due to the nature of hospitals, Symplified Healthcare deals with patients' Personally Identifiable Information (PII). It is a concern that this information might be stored or used incorrectly within the organization. You have been tasked with configuring a DLP policy using Described Content Matching (DCM) that will allow the use of data identifiers and keywords to detect where PII data is being used or stored. Because Symplified uses US Social Security Numbers on nearly all of their forms, IT wants to focus on these numbers specific to those countries will also need to be supported. Estimated exercise time: 5 minutes Steps: Login to: Enforce 1. In the Enforce web UI, Browse to Manage > Policies > Policies

the "Rule Type > Content" heading, select Content Matches Data Identifier. 8. Click the drop-down list, scroll down to the heading "North American Personal Identity" and select US Social Security Numbers 11. Under the "Conditions" heading, for the Breadth setting, select Medium. Exercise 3: Configure a Policy for PII Detection Copyright © 2019 Symantec Corporation. All Rights Reserved 7 12. Leave all other options at their default values and click OK in the top left. 13. On the Detection tab, click Add Rule again. 14. Under the "Rule Type > Content" heading, select Content Matches Data Identifier. 15. From

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the drop-down list, scroll down to the heading "North American Personal Identity" and select Mexican Unique Population Registry Code Numbers 18. Under the "Conditions" heading, for the Breadth setting, select Medium. 19. Leave all other options at their
default values and click OK. 20. On the Detection tab, click Add Rule. 21. Under the "Rule Type > Content" heading, select Content Matches Data Identifier. 22. From the drop-down list, scroll down to the heading, select Content Matches Data Identifier. 23. Click Next. 24. In the Rule Name field, type:
Canadian Social Insurance Numbers 25. Under the "Conditions" heading, for the Breadth setting, select Medium. 26. Leave all other options at their default values and click OK. 27. In the top left of the Enforce console, click Save. 28. You should now see the Symplified PII (DCM) Policy listed with a green circle indicating it is an active policy. End of
exercise 8 Identifying and Describing Confidential Data Copyright © 2019 Symantec Corporation. All Rights Reserved Exercise 4: Configure a Policy for PCI Compliance Scenario: Symplified Healthcare receives payments from patients via credit card on a daily basis. These credit card numbers are encrypted and stored directly in a secured database;
however, a few people in the finance department do have access to the unencrypted data. The VP of Finance would like to ensure this data is being performed in eight weeks. Due to the structured nature of the data, using the Exact Data Matching (EDM) detection method
would likely be the best method for detecting data from the database. It will be necessary to create a policy with a rule using the Exact Data Matching profile as well as a "catchall" rule to detect any credit card information being stored or transmitted on the Symplified network. Estimated exercise time: 5 minutes Steps: Login to: Enforce 1. In the
Enforce web UI, browse to Manage > Data Profiles > Exact Data Profile. The policy is to import the structured data into the Enforce console by creating an Exact Data Profile. 3. In the Name field, type: Patient Data Extract 4. Select the option
Upload Data Source to Server Now. 5. Click Browse and navigate to C:\Training Files\EDM. 6. Select the PatientDataExtractLarge.dat file and click Open. 7. Next to the "Column Names" heading, select the option Read first row as column names. 8. Leave all other options at their defaults and click Next. Exercise 4: Configure a Policy for PCI
Compliance Copyright © 2019 Symantec Corporation. All Rights Reserved 9 9. Under Field Mappings, use the drop-down lists under the "System Field SOCIAL SECURITY NUMBER Social Security Number ACCOUNT ID
Account Number FIRST NAME First Name LAST NAME Last Name DRIVERS LICENSE Driver License Number EMAIL ADDRESS Email PASSWORD Password PHONE NUMBER Phone Number 10. Next to Check mappings against policy template, select Payment Card Industry Data
Security Standard. 11. Click Check now. A green bar should appear at the top of the screen, indicating that the required fields are mapped correctly for the PCI template. 12. Under the "Indexing job on Save. 13. Click Finish at top. Note: The indexing job will now be submitted to the Enforce server. You
can click the console's Refresh button in the top right of the screen to update the indexing status. The Latest Active Version will be blank unless the arrow to the left of Patient Data Extract is clicked. (NOTE: you do not have to wait for the indexing to finish to continue with this lab exercise.) 14. Browse to Manage > Policies > Policy List. 15. Click
New. 16. Leave Add a blank policy selected and click Next. 17. In the Name field, type: Symplified PCI (EDM/DCM) 18. Next to the "Policy Group" heading, from the drop-down list, select Symplified PCI (EDM/DCM) 18. Next to the "Policy Group" heading, from the drop-down list, select Symplified PCI (EDM/DCM) 18. Next to the "Policy Group" heading, from the drop-down list, select Symplified PCI (EDM/DCM) 18. Next to the "Policy Group" heading, from the drop-down list, select Symplified PCI (EDM/DCM) 18. Next to the "Policy Group" heading, from the drop-down list, select Symplified PCI (EDM/DCM) 18. Next to the "Policy Group" heading, from the drop-down list, select Symplified PCI (EDM/DCM) 18. Next to the "Policy Group" heading, from the drop-down list, select Symplified PCI (EDM/DCM) 18. Next to the "Policy Group" heading, from the drop-down list, select Symplified PCI (EDM/DCM) 18. Next to the "Policy Group" heading, from the drop-down list, select Symplified PCI (EDM/DCM) 18. Next to the "Policy Group" heading, from the drop-down list, select Symplified PCI (EDM/DCM) 18. Next to the "Policy Group" heading, from the drop-down list, select Symplified PCI (EDM/DCM) 18. Next to the "Policy Group" heading, from the drop-down list, select Symplified PCI (EDM/DCM) 18. Next to the "Policy Group" heading, from the drop-down list, select Symplified PCI (EDM/DCM) 18. Next to the "Policy Group" heading, from the drop-down list, select Symplified PCI (EDM/DCM) 18. Next to the "Policy Group" heading, from the drop-down list, select Symplified PCI (EDM/DCM) 18. Next to the "Policy Group" heading, from the drop-down list, select Symplified PCI (EDM/DCM) 18. Next to the "Policy Group" heading, from the drop-down list, select Symplified PCI (EDM/DCM) 18. Next to the "Policy Group" heading, from the drop-down list, select Symplified PCI (EDM/DCM) 18. Next to the "Policy Group" heading, from the drop-down list, select Symplified PCI (EDM/DCM) 18. Next to the "Policy Group" heading the drop-down list, select Symplified PCI (EDM/DCM)
From. 10 Identifying and Describing Confidential Data Copyright © 2019 Symantec Corporation. All Rights Reserved 21. Ensure that Patient Data Extract is selected in the drop-down list. 22. Click Next. 23. In the Rule Name field, type: Credit Card Detection 24. Under the "Conditions > Match" heading, change the value in the first drop-down list.
from 1 to 2. 25. Select the following options: Last Name, First Name, First Name, First Name, Early heading, click Add Severity again. 29.
Change the new severity entry to match the following: Set Severity to: Low when match count Is Less Than 10 matches 30. Under the "Conditions > Ignore" heading, select the following: Field 1: First Name Field 2: Last Name Field 2: Last Name Field 2: Last Name Field 3: Last Name 
match when only the first and last name are found. A match is created only when the bank card numbers that match the exact data matching (EDM) profile; however, Symplified also wants to create a general "catchall" rule that
detects any other credit card numbers that are not part of the EDM profile. 33. On the Detection tab, click Add Rule again. 34. Under the "Rule Type > Content" heading, select the option Content Matches Data Identifier. 35. From the drop-down list, select Financial > Credit Card Number. 36. Click Next. 37. In the Rule Name field, type: Credit Card
Catchall 38. Under the "Conditions" heading, for the Breadth setting, select Medium. 39. Click OK. 40. Click Save. Exercise 4: Configure a Policy for PCI Compliance Copyright © 2019 Symantec Corporation. All Rights Reserved 11 Note: You should now see the Symplified PCI (EDM/DCM) Policy listed with a green circle indicating it is an active
policy. End of exercise 12 Identifying and Describing Confidential Data Copyright © 2019 Symantec Corporation. All Rights Reserved Exercise 5: Configure an Alternate Policy for PII Compliance Scenario: The previous policy to analyze and detect patient social security numbers (from Exercise 3) can be improved by tying the analysis into an existing
data set that details the specific patient info needing protection. Since many of the documents with sensitive data correspond to existing patient and customer records stored in a secure database, you decide to utilize that database to validate any data discovered in network documents. Using the Exact Matching Data Identifier (EMDI) detection
method you will link a data source to validate any detections found when scanning potentially sensitive documents. This new profile will ensure that confidential data with genuine patient/customer information is recognized as such and the potential for "false positives" is reduced. Estimated exercise time: 5 minutes Steps: Login to: Enforce 1. In the
Enforce web UI, browse to Manage > Data Profiles > Exact Data. The first step in creating the PCI data into the Enforce console by creating an Exact Data Profile. 3. In the Name field, type: Patient Data Extract
EMDI 4. Select the option Upload Data Source to Server Now. 5. Click Browse and navigate to C:\Training Files\PatientData. 6. Select the option Read first row as column names. 8. Set the Column Separator Char field to Comma (,). 9. Click Next.
Exercise 5: Configure an Alternate Policy for PII Compliance Copyright © 2019 Symantec Corporation. All Rights Reserved 13 10. In the list of data fields, set SSN to Required and select US Social Security Number (SSN) from the Data Identifier list, with a breadth of Medium. Note: If you do not see the list of ten data fields on this screen return to
the previous screen and ensure that steps 4-8 were completed correctly.) 11. Leave First and Last set to Optional. Set all other fields (besides SSN) to Ignore. 12. Under Indexing, check the box for Submit Indexing Job on Save. 13. Click Finish at top. You should see the new data profile listing in the Exact Data list. You do not need to wait for the data
to finish indexing to continue with this lab exercise. 14. Browse to Manage > Policies >
18. Click the Suspend link next to Status to have this policy deactivated for now. 19. On the Detection tab, click Add Rule. 20. Under the "Rule Type > Content" heading, select the option Content Matches Data Identifier. 21. Select US Social Security Number (SSN) from the North American Personal Identity section in the drop-down list and click
Next. 22. In the Rule Name field, type: SSN Detection (EMDI) 23. Under Conditions, select Medium as the Breadth value selected above matches the breadth chosen for
your EMDI data profile selected earlier in this lesson; both should be set to Medium. 25. Select Patient Data Extract EMDI from the Profile drop down list. 26. Ensure that SSN is in the Required field, and At least match contains 1. 27. Click OK at top to save the new detection rule. 28. Click Save at top to save the new policy. You should now see the
Symplified PII (EMDI) policy listed with a red circle in the Status column indicating the policy is NOT active. End of exercise 14 Identifying and Describing Confidential Documents Scenario: Symplified Healthcare's R&D
department has been working on a new drug production process that has been documented in a PDF file. It is critical that this PDF does not leave the hospital network and get into the hands of competitors. It has been decided that Indexed Document Matching (IDM) would be the best method for protecting this file. It is necessary to create an IDMs does not leave the hospital network and get into the hands of competitors. It has been decided that Indexed Document Matching (IDM) would be the best method for protecting this file. It is necessary to create an IDMs does not leave the hospital network and get into the hands of competitors.
index and associated policy to detect attempts to send data containing parts or all of the new drug process document outside of the Symplified network. Estimated exercise time: 5 minutes Steps: Login to: Enforce web UI, browse to Manage > Data Profiles > Indexed Documents. 2. Click Add Document Profile. 3. In the Name field
type: Drug Process Documents 4. Select the option Upload Document Archive to Server Now. 5. Click Browse and navigate to C:\Training Files\IDM. 6. Select the NewPharmaProcess.zip file and click Open. 7. Under the "Indexing" heading, select Submit Indexing Files\IDM. 6. Select the NewPharmaProcess.zip file and click Open. 7. Under the "Indexing" heading, select Submit Indexing Files\IDM. 6. Select the NewPharmaProcess.zip file and click Open. 7. Under the "Indexing" heading, select Submit Indexing Files\IDM. 6. Select the NewPharmaProcess.zip file and click Open. 7. Under the "Indexing" heading, select Submit Indexing Files\IDM. 6. Select the NewPharmaProcess.zip file and click Open. 7. Under the "Indexing" heading, select Submit Indexing Files\IDM. 6. Select Submit Indexing Fil
the IDM profile you just created. You do not need to wait for the indexing to complete before continuing with this lab exercise 6: Configure a Policy to Protect Confidential Documents Copyright © 2019 Symantec Corporation. All Rights Reserved 15 11. Leave Add a blank policy
selected and click Next. 12. In the Name field, type: Symplified Drug Process Detection (IDM) 13. Next to the "Policy Group" heading, select Default Policy Group from the drop-down list. 14. On the Detection tab, click Add Rule. 15. Under the "Rule Type > Content" heading, select the option Content Matches Document Signature From. 16. Ensure
that Drug Process Document is selected in the drop-down list. 17. Click Next. 18. In the Rule Name field, type: Drug Process Detection 19. Next to the "Severity to: Medium when match count Is Between from 10 to 25 matches 21. Next to the
"Severity" heading, click Add Severity again. 22. Change the new severity entry to match the following: Set Severity to: Low when match count Is Less Than 10 matches 23. Under the "Conditions" heading, change the Minimum Document Exposure to 30. 24. Click OK at top to save the detection rule. 25. Click Save to save the new policy. End of
exercise 16 Identifying and Describing Confidential Data Copyright © 2019 Symantec Corporation. All Rights Reserved Exercise 7: Configure a Policy to Protect Source Code Scenario: Symplified Healthcare has been improving the healthcare industry by creating custom software utilized across all their locations. Competitors have shown interest in
the innovations and have been attempting to replicate the software for their own use. Symplified wants to ensure that no source code is being sent outside the organization. Source code is being sent outside the organization. Source code is being sent outside the organization.
detection method is best for finding matching source code in the organization. It is necessary to configure a VML profile and policy to detect any source code leaving the company that is similar to the source code Symplified Healthcare is developing. Estimated exercise time: 10 minutes Steps: Login to: Enforce 1. In the Enforce web UI, browse to
Manage > Data Profiles > Vector Machine Learning. 2. Click New Profile. 3. In the Name field, type: Source Code Profile 4. Click Upload Contents. 7. Leave the Positive option selected. 8. Click Browse and navigate to C:\Training Files\VML. 9. Select the VML Positive.zip
file and click Open. 10. Click Submit. 11. Click Submit. 11. Click Submit. 11. Click Submit. 16. At the far left of the console screen, click Start
Training. Note: The Enforce server will now create a profile based on the given positive and negative data sets. In the lab environment, this process should happen relatively quickly. In production, this may take longer depending on the training
profile. 17. After the training is finished (and you see a Training Successful window at the top of the tab), click Accept. 18. Next to the "Similarity Threshold" heading, click Edit. 19. Using the slider, adjust the threshold down to 3.5 and click Save. Note: Next, it is necessary to create a policy that detects any source code being stored or transmitted on
the network. 20. Browse to Manage > Policies > Policy Croup. 25. On the Detection tab, click Add Rule. 26. Under the "Rule Type >
Content" heading, select the option Detect using Vector Machine Learning Profile. 27. Ensure that Source Code Profile is selected in the drop-down list. 28. Click Next. 29. In the Rule Name field, type: Source Code Detection 30. Keep the other defaults and click OK. 31. Click Save. End of exercise 18 Identifying and Describing Confidential Data
Copyright © 2019 Symantec Corporation. All Rights Reserved Exercise 8: Configure a Policy for Form Recognition Scenario: Symplified stores many forms do not present a security risk, but when they have been filled out, the forms often contain sensitive information
Symplified is concerned that some forms may be leaking out of the hospital network. IT would like a Form Recognition data profile and matching policy to detect completed forms used most commonly by Symplified Healthcare. Estimated exercise time: 5 minutes Steps: Login to: Enforce 1. In the Enforce web UI, browse to Manage > Data Profiles >
Form Recognition. 2. Click Add Profile. 3. In the Name field, type: Symplified Patient Information Form 4. Next to the "Upload Gallery Archive" heading, click Browse and navigate to C:\Training Files\FormRecognition. 5. Select the Patient Information Form.zip file and click Open. 6. Click Save. 7. Browse to Manage > Policies > Policy List. 8. Click
New. 9. Leave the option Add a blank policy Symplified PII Policies from the drop-down list. 12. On the Detection 11. Next to the "Policy Group" heading, select Symplified PII Policies from the drop-down list. 12. On the Detection 11. Next to the "Policy Group" heading, select Symplified PII Policies from the drop-down list. 12. On the Detection 11. Next to the "Policy Group" heading, select Symplified PII Policies from the drop-down list. 12. On the Detection 13. Next to the "Policy Group" heading, select Symplified PII Policies from the drop-down list. 13. On the Detection 14. Next to the "Policy Group" heading, select Symplified PII Policies from the drop-down list. 14. On the Detection 15. Next to the "Policy Group" heading, select Symplified PII Policies from the drop-down list. 15. On the Detection 14. Next to the "Policy Group" heading, select Symplified PII Policies from the drop-down list. 15. On the Detection 14. Next to the "Policy Group" heading, select Symplified PII Policies from the drop-down list. 15. On the Detection 14. Next to the "Policy Group" heading, select Symplified PII Policies from the drop-down list. 15. On the Detection 14. Next to the "Policy Group" heading, select Symplified PII Policies from the drop-down list. 15. On the Detection 15. Next to the "Policy Group" heading, select Symplified PII Policies from the drop-down list. 15. On the Detection 15. Next to the "Policy Group" heading, select Symplified PII Policies from the drop-down list. 15. On the Detection 15. Next to the "Policy Group" heading h
Corporation. All Rights Reserved 19 13. Under the "Rule Type > Form Recognition" heading, select the option Detect using Form Recognition Profile. 14. Ensure the option Symplified Patient Information Form 17. Click OK. 18. Click Save. End
of exercise 20 Identifying and Describing Confidential Data Copyright © 2019 Symantec Corporation. All Rights Reserved Exercise 9: Use a Template to Add a DLP Policy Scenario: Being subject to the Health Insurance Portability and Accountability (HIPAA) laws in the United States, Symplified HealthCare has decided to configure a HIPAA policy to
detect any possible violations within the organization. Since Symantec DLP ships with a HIPAA template and then later test it and modify it as needed. Estimated exercise time: 5 minutes Steps: Login to: Enforce 1. In the Enforce web UI, browse to Manage > Policies > Policies > Policy List. 2. Click New.
3. Select Add a policy from a template and click Next. 4. Review the included templates. Note: You may notice that many of the policies created in this lab so far could have been added through a template instead. However, for the sake of learning how to create custom policies we have had you create the previous policies manually. 5. Under the "US"
Regulatory Enforcement" heading, select HIPAA and HITECH (including PHI) and click Next. 6. Under the "Template HIPAA and HITECH (including PHI)" heading, select Symplified PII Policies from the drop-down list. 8. Review the detection
rules automatically created by the HIPAA policy template. 9. Click Save. Exercise 9: Use a Template to Add a DLP Policy Copyright © 2019 Symantec Corporation. All Rights Reserved 21 Note: Because IT is not quite ready to start detecting HIPAA data, the policy needs to be suspended. It can easily be activated and modified at a later time. 10. Click
the green circle to the left of the HIPAA and HITECH (including PHI) policy. 11. When the warning message is displayed, click OK. The red circle icon next to the policy indicates that the policy is not active. End of exercise 22 Identifying and Describing Confidential Data Copyright © 2019 Symantec Corporation. All Rights Reserved Exercise 10:
Export Policies for Use at a DR Site Scenario: Symplified is also preparing a disaster recovery (DR) site and would like to export the policies is needed. Estimated exercise time: 5 minutes Steps: Login to: Enforce web UI, browse to Manage >
Policies > Policy List. 2. At upper left in the console screen, select the checkbox on the top of the left-most column (next to Status). This will select all the currently displayed policies. 3. Click Export. Note: If you receive a warning popup saying that exporting large numbers of policies could take some time, click OK. 4. If you get a Open With / Save
File popup window, leave Save File selected and click OK. 5. Using Windows Explorer, navigate to C:\Users\Administrator\Downloads. 6. Double click the Enforce-policies--.zip file. (Look for the most recent one if there are multiple files.) 7. Review the XML files captured within the .zip file. Note: With these backup files exported, they can now be
transferred to the DR site and then quickly imported again for immediate use in case of a disaster. End of exercise 11: Configure Optical Character Recognition Scenario: Symplified wants to take advantage of Symantec DLP's
Optical Character Recognition (OCR) functionality, which extracts text from supported image file types and then delivers that text to supported detection server on a dedicated host. Now they will create an OCR configuration (with
parameters for connecting to the OCR server and performing text extraction). Estimated exercise time: 5 minutes Steps: Login to: Enforce administration console, browse to System > Settings > OCR Engine Configuration 4. In the OCR Engine Configuration 2. Click Add OCR Engine Configuration 3. In the Name field, type: Symplified OCR Configuration 4. In the OCR Engine Configuration 4. In the Name field, type: Symplified OCR Configuration 4. In the OCR Engine Configuration 4. In the OCR Engine Configuration 5.
server hostname field, type: ocr.symplified.com 5. Leave the "Port," "OCR Engine Timeout," and "Accuracy vs speed" settings at their default values. 6. Under the blue plus-sign icon next to English in the Available Languages list box. "English" should now appear in
the Selected Language(s) list box on the right. 7. In the Specialized Dictionaries list box, select English Medical Dictionary. 8. Click Save. End of exercise 24 Identifying and Describing Confidential Data Stored on Premises and in the Cloud As IT security
manager, you recognize that there are a lot of "hiding places" for confidential and sensitive data to reside on the organization's network location and endpoint and find out where those confidential data files reside in order to
create an effective policy to protect them. In this lab, you will learn how to scan network shares and endpoint computers for confidential data using the policy definitions created in the previous lab exercises. 25 Copyright © 2019 Symantec Corporation. All Rights Reserved Exercise 1: Run a Content Enumeration Scan Scenario: Historically,
Symplified Healthcare has been focused on keeping malicious outsiders out of the network, while paying little attention. As a result, many network shares have been created, and files have been subsequently transferred among users via these shares.
credentials: Username: Symplified\Administrator Password: train 2. Launch Firefox and log in to the Enforce console using the following credentials, if prompted: 3. Browse to System > Settings > Directory Connections. Login: Administrator Password: training Note: Before configuring the Content Root Enumeration scan, it is necessary to configure
a connection to the Symplified Active Directory. 4. Under the "Directory Connections" heading, click Add Connections. 5. In the Port field, type: Symplified, type: DC=symplified, DC=com 26 Locating Confidential Data Stored on Premises and
in the Cloud Copyright © 2019 Symantec Corporation. All Rights Reserved 9. Under the "Authentication" heading, select the option Connect with Credentials must be provided.
Any service account with read access is acceptable. 10. Click Test Connection. A green bar should appear at the top of the console screen, indicating that the test was successful. If the test was successful, check the aforementioned settings, then ask the instructor for assistance. 11. After the connection test has succeeded, click the Index Settings
tab. 12. Select the option Weekly, then select Sunday. 13. Click Save. 14. Browse to Manage > Discover Scanning > Content Root Enumeration. 15. Click Add Scan. 16. In the Directory Connection drop-down list, select Symplified Active Directory. 18. Next to the "Enumerate shares?" heading,
select Yes. 19. Under the "Filters" heading, next to Server Names, leave the option does contain selected and in the field next to it type: enforce 20. Click Start. 23. Click Start. 24. Under the "Content Roots" column heading, click the [#]
Shares link, where [#] is the number of shares discovered. 25. Ensure \enforce console until the Status column End of exercise Exercise 2: Scan a Content Enumeration Scan Copyright © 2019 Symantec Corporation. All Rights Reserved 27 Exercise 2: Scan a
Windows Target Scenario: Now that the shares have been located on the network, it is time to scan those shares for confidential data. Symplified Healthcare has a strict policy that no credit card information can be stored unencrypted on the network, especially in open shares. This scan will analyze the data in the open share found by the Content
Root Enumeration scan. Estimated exercise time: 5 minutes Steps: Login to: Enforce administration console, browse to System > Settings > Credentials. 2. Click Add Credentials. 3. In the Access Password and Re-enter Access
Password fields type: Training! 6. Next to the "Usage Permission" heading, select Server > File System. 10. On the General tab, in the Name field, type: Windows File Share Scan 11. Next to the "Policy Groups" heading
select Symplified PCI Policies, 12. Next to the "Scan Type" heading, select Always scan all items (full scan), 13. Click the Scanned Content tab. 28 Locating Confidential Data Stored on Premises and in the Cloud Copyright © 2019 Symantec Corporation, All Rights Reserved 14. Select the option Use Saved Credentials and select dlpscan
 \enforce.symplified.com\FileShare and click Delete. 18. Click the Scanned Content tab again. 19. Under the "Content Roots" heading, ensure that only \enforce.symplified.com\FileShare remains listed. Check the checkbox beside it in the left column. 20. Review the contents of the other tabs: Note: The Targeting tab allows you to select specific
 servers for scanning. The Filters tab allows you to include or exclude files based on type, size, or date. The Advanced tab allows you to select whether policy remediation should copy, encrypt, or quarantine affected files. 21. Click Save when finished. 22
Select the checkbox next to Windows File Share Scan. 23. Click Start Scan. 24. Under the "Scan status" column heading, click the View Incidents button () in the top right area of the Enforce console, click the Starting link. 25. In the top right area of the Enforce console, click the View Incidents button () in the top right area of the Enforce console, click the Starting link. 25. In the top right area of the Enforce console, click the View Incidents button () in the top right area of the Enforce console, click the View Incidents button () in the top right area of the Enforce console, click the View Incidents button () in the top right area of the Enforce console, click the View Incidents button () in the View Incidents but
"Actions" column at right. The results of the scan summarized by policy are displayed. This allows a quick review of which policies were violated during the scan. 27. Under the "ID/Policy" column heading, click one of the ID links. 29. Review the information in the Key
was not detected because the Discover scan was only configured to look for data that violated the policies in the PCI policy group. End of exercise 2: Scan a Windows Target 29 Copyright © 2019 Symantec Corporation. All Rights Reserved Exercise 2: Scan a Windows Target 29 Copyright © 2019 Symantec Corporation.
are a great number of endpoint computers. There are endpoints in the Legal, Finance, and Administration departments. With so many endpoints, the IT staff is busy just keeping everything in working order and has little time to monitor what
Discover Scanning > Discover Targets. 2. Select New Target > Endpoint > File System. 3. In the "Scan Execution" section, select Always scan all items (full scan). 6. Click the Targeting tab and, under the "Available Servers"
heading, select Symplified Detection Server and click Add. 7. Click the Filters tab and, in the Include Filters field, type: */MyData/* 8. Click Save. 9. Select the checkbox next to Endpoint File Share Scan. 10. Click Start Scan. 11. Under the "Scan Status" column heading, click the Starting link. 30 Locating Confidential Data Stored on Premises and in
will often register incidents that you can examine even before the scan has completed, so when you refresh, check the "Incidents Generated" column for any non-zero values to indicate that there are incidents in the
"Incidents Generated" column), click the View Incidents button (14.) in the "Actions" column at right. Review the list of incidents on the next screen. Note: If your scan did not detect any incidents for some reason, you can display the results of another scan instead, by selecting (under Filter on top): Scan > Custom then selecting a previous scan
Previous or Next buttons in the upper right to navigate. End of exercise 4: Scan Endpoint Computers for Confidential Data Copyright © 2019 Symantec Corporation. All Rights Reserved 31 Exercise 4: Scan Server for Confidential Data Copyright on the upper right to navigate. End of exercise 4: Scan Server for Confidential Data Copyright on the upper right to navigate. End of exercise 4: Scan Server for Confidential Data Copyright on the upper right to navigate. End of exercise 4: Scan Server for Confidential Data Copyright on the upper right to navigate. End of exercise 4: Scan Server for Confidential Data Copyright on the upper right to navigate. End of exercise 4: Scan Server for Confidential Data Copyright on the upper right to navigate. End of exercise 4: Scan Server for Confidential Data Copyright on the upper right to navigate. End of exercise 4: Scan Server for Confidential Data Copyright on the upper right of the upper right o
endpoint computers, you've found a number of files that have data that resembles important patient data, but is in fact harmless and unrelated. Rather than have the incident first responders have to manage judging and deleting unimportant incidents, you decide to utilize the patient dataset created in the previous lab to validate potential data
matches before triggering an incident. In this exercise, you'll configure a discover file scan similar to the previous exercise, but will utilize the previous exercise.
go to the C:\EMDI directory. 2. Open and examine the two files in this directory. The "Patient Extract (EMDI)" file contains unrelated invoice data without any sensitive information. Note: In this exercise you will be demonstrating how using the EMDI policy for PII will return different
results compared to other policies when scanning the same content. First we will look at how the original DCM policy for PII handles both of these files present in the EMDI directory. 3. Browse to Manage > Policies > Pol
that Symplified PII (EMDI) is deactivated (red light). (To toggle a policy on/off, click directly on the green/red light icon, or check the checkbox on the left and select Activate or Suspend respectively.) 5. On the Enforce administration console, browse to Manage > Discover Scanning > Discover Targets. 32 Locating Confidential Data Stored on
Premises and in the Cloud Copyright © 2019 Symantec Corporation. All Rights Reserved 6. Select New Target > Server > File System. 7. In the Warne field, type: File Share Scan (EMDI) 8. Next to the "Policy Groups" heading, select Symplified PII Policies. 9. In the "Scan Execution" section, select Always scan all items (full scan). 10. On the Scanned
Content tab, select the Use Saved Credentials option and select "dlpscan" from the drop down. 11. Under Content Roots, ensure Specify Content Roots is selected. 12. Click Add Content Roots is selected. 12. Click Add Content Roots is selected. 13. Select "Symplified File Share Scan" from the populy window and click Import. The content root list should now
populate with all the shared folders discovered in the previous content roots in the list.) 15. Click Save in the top left when finished. 16. Navigate back to Manage > Discover
Scanning > Discover Targets. 17. Select the checkbox next to File Share Scan (EMDI). 18. Click Start Scan. 19. Under the "Scan Status" column heading, click the Starting link. 20. Using the Enforce console's Refresh button, refresh the page every 30 seconds until the scan is complete. The scan might take a minute or more to complete. You can
continue with other lab exercises while the scan is running and review the results later. 21. After the scan Statistics under the "Scan Statistics heading, click the Completed link. 23. Review the results later. 21. After the scan statistics heading, click the link completed link. 23. Review the results later. 21. After the scan statistics heading, click the link completed link. 23. Review the results later. 21. After the scan statistics heading, click the link completed link. 23. Review the results later. 21. After the scan statistics heading, click the link completed link. 23. Review the results later. 21. After the scan statistics heading, click the link completed link. 23. Review the results later. 21. After the scan statistics heading, click the link completed link. 23. Review the scan statistics heading and next to current link link completed link. 23. Review the results later. 21. After the scan statistics heading heading
showing the number of incidents (should be 2). 24. Review the list of incidents on the second (harmless) file matched the pattern for US social security numbers and thus triggered an incident. Normally an operator would have to
review these incidents manually, examine the contents, categorize this second incident to be a 'false positive' not worthy of attention, and clear it. Exercise 4: Scan Server for Confidential Data using EMDI Copyright © 2019 Symantec Corporation. All Rights Reserved 33 25. Browse to Manage > Policies > Poli
and activate Symplified PII (EMDI). (To toggle a policy on/off, click on the green/red light, or check the checkbox on the left and select Activate or Suspend respectively.) 26. Navigate back to Manage > Discover Scanning > Di
Status" column heading, click the Starting link. 29. Using the Enforce console's Refresh button, refresh the page every 30 seconds until the scan is completed, click the Ready link under the "Status" column. 31. Under the "Scan Status" heading, click the Completed link. 32. Review the Scan Statistics. Under the "Scan Status" heading, click the Ready link under the "Status" heading, click the Completed link. 32. Review the Scan Statistics. Under the "Scan Status" heading, click the Ready link under the "Status" heading, click the Starting link. 29. Using the Enforce console's Refresh button, refresh the page every 30 seconds until the scan is completed.
Statistics" heading and next to Current Incidents on the next screen. Note: In this case, only the first file triggered an incidents or the existing data set and found that even
though they resembled US social security numbers, they didn't match existing patient data and did not trigger an incident. In this case there would be fewer false positive incidents for operators to review manually. 34. Before finishing this exercise and continuing, return to Manage > Policies > 
reactivate Symplified PII (DCM). End of exercise 34 Locating Confidential Data Stored on Premises and in the Cloud Copyright © 2019 Symantec Corporation. All Rights Reserved Exercise 5: Configure a Global Policy for PII Compliance Scenario: After using the Exact Matching Data Identifier (EMDI) detection method to augment the previous policy
you realize that over time you'll likely be creating many different policies that also involve Social Security numbers and your EMDI data profile would be useful as an additional validation check for those policies that also involve Social Security numbers and your EMDI data profile would be useful as an additional validation check for those policies that also involve Social Security numbers and your EMDI data profile would be useful as an additional validation check for those policies that also involve Social Security numbers and your EMDI data profile would be useful as an additional validation check for those policies that also involve Social Security numbers and your EMDI data profile would be useful as an additional validation check for those policies that also involve Social Security numbers and your EMDI data profile would be useful as an additional validation check for those policies also.
any new policy will use your established data source. Estimated exercise time: 5 minutes Steps: Login to: Enforce web UI, browse to Manage > Policies > Data Identifiers. 2. Locate and click on US Social Security Number (SSN). 3. Open the Medium tab under Rule Breadth. 4. Under "Validation Checks", click on Exact
Match Data Identifier Check. 5. From Profile, add the Patient Data Extract EMDI profile created in the Active Validators list. 8. Click Save
on the upper left. End of exercise Exercise Exercise 5: Configure a Global Policy for PII Compliance Copyright © 2019 Symantec Corporation. All Rights Reserved Understanding How Confidential Data Is Being Used As part of
your audit process, you seek to understand how confidential data is being moved and transmitted inside and outside the company (whether through email or other network connection) without being encrypted. Part of your
job will be to monitor and analyze outgoing traffic to form an understanding of the data protection issues as preparation for creating new policies to block, encrypt, or otherwise manage that data. In this lab, you will use Network Prevent for Email to monitor outgoing SMTP messages looking for important or confidential data that needs to be blocked
or encrypted. Additionally, you will learn how to monitor applications and user activity on endpoints (such as workstations and laptops) that can also compromise sensitive data. 37 Copyright © 2019 Symantec Corporation. All Rights Reserved Exercise 1: Configure Network Prevent for Email to Monitor SMTP Messages Scenario: Symplified
Healthcare wants to ensure that no sensitive data leaves the company unencrypted. As part of the ir DLP implementation, Symplified has decided that any emails with sensitive information leaving the organization unencrypted will be logged rather than blocked or rerouted. Later, the IT department will configure DLP to reroute
any emails with sensitive information to the Symantec Encryption Management Server for encryption prior to being sent to the recipient. Estimated exercise time: 7 minutes Steps: Login to: Enforce VM using the following credentials: Username: Symplified\Administrator Password: train 2. Launch Firefox and log in to the
Enforce console using the following credentials, if prompted: Login: Administrator Password: training 3. Browse to System > Servers and Detectors" heading, review the process status. By default, the detection server
only shows a basic status of "Running." 6. Browse to System > Settings > General. 7. Click Configure. 8. Under the "Process Control" heading, select the option Advanced Process Control. 38 Understanding How Confidential Data Is Being Used Copyright © 2019 Symantec Corporation. All Rights Reserved Enabling the advanced process control
allows an administrator to see the status of each process individually. 9. Click Save. 10. Browse to System > Servers and Detectors" heading, click the Symplified Detection Server is functioning.
in single-tier mode and thus shows many processes. In production, a detection server usually serves one channel (for example, Endpoint, Network Monitor, Discover, and so on) and would only show services related to that channel. 12. While still browsing the Detection Server detail page, click Configure. 13. Click the Inline SMTP tab. 14. Verify the
option Trial Mode (Do not block violating messages) is NOT selected. 15. Under "Next Hop Configuration," select Forward. 16. Leave the option Disable MX Lookup selected, and in the accompanying field, type: enforce.symplified.com 17. Click Save. A yellow bar should appear at the top of the console window, indicating that the detection server
must be recycled. 18. Under the "General > Status" heading, click the Enforce console's Refresh button ("Running.") until all services are listed as Note: For this lab environment, the email client on the Endpoint VM has been
process the email and then forward the email to another hop or reflect it back to an MTA. End of exercise Exercise 2: Use Network Prevent for Email to Monitor SMTP Messages Scenario: Joe User, a
Symplified Healthcare employee in the Finance department, communicates with Sylvia Outsider, a trusted partner, on a daily basis. Over the years, they have become good friends. Due to this friendship, Joe is occasionally lax about security and uses insecure methods to send information to Sylvia. In this exercise, you will take on the role of Joe User.
You will first send a benign email and then a confidential email to Sylvia Outsider to see the difference in how DLP reacts to these emails. Estimated exercise time: 12 minutes Steps: Login to: Endpoint 1. Log in to the Endpoint VM using the following credentials: Username: Symplified\joe_user Password: train 2. Open the Outlook client by clicking
the icon on the taskbar. Notice that for convenience both Joe User and Sylvia Outsider are configured in the same email client to see the inboxes for both Joe and Sylvia. 3. Under the "[email protected]" heading, select the Inbox. 4. Click New Email on top. 5. In the To... field, type: [email protected] 6. In the Subject
field, type: Yesterday's Patient Sign-in Sheet 7. For the body of the email text): Hi Sylvia! 40 Understanding How Confidential Data Is Being Used Copyright © 2019 Symantec Corporation. All Rights Reserved Hope your day is going well! Here is the patient sign-in sheet from yesterday. Best Regards, Joe 8
Click Attach File. 9. Browse to C:\Training Files\Misc, then select the Patient_Sign_In12102016.pdf file, and click Insert. 10. Click Send. This email and attachment had no sensitive data and should have arrived in Sylvia's inbox without any incidents being created on the Enforce server. (The email may take a few seconds to arrive.) 11. Under the
"[email protected]" heading, select the Inbox. 12. Verify that the email from Joe arrived. Note: It may be necessary to click Send/Receive All Folders if the email has not yet arrived console using the following credentials: Username: Administrator
Password: training 14. Browse to Incidents > Network. 15. Verify there is not an incident for the email from Joe to Sylvia with the subject of "Yesterday's Patient Sign-in Sheet." Switch to: Endpoint 16. Return to the Outlook client on the Endpoint 27. Under the "[email protected]" heading, select the Inbox. 18. Click New Email. 19. In the To.
field, type: [email protected] 20. In the Subject field, type: Patient Processing Info 21. For the body of the email type the following (or create your own email text): Hi Sylvia! Please process the payments for the attached list of patients. Exercise 2: Use Network Prevent for Email to Monitor SMTP Messages Copyright © 2019 Symantec Corporation. All
Rights Reserved 41 Best Regards, Joe 22. Click Browse to C:\Training Files\Misc, then select the PatientsForProcessing.xlsx file, and click Insert. 25. Click Send. Note: This email contains sensitive information that should create an incident in the Enforce console. At this point, we have not yet configured any
notifications or blocking. Consequently, the email will still arrive in Sylvia's inbox, and Joe will not know he did anything wrong. However, the InfoSec team will now be aware that there is sensitive data leaving the organization. Switch to: Enforce 26. Return to the Enforce console. 27. While still viewing Network > Incidents - New, click the Enforce
console's Refresh button in the upper right (28.). Locate the incidents that match the subject of the last email you sent. Note: This single email will create multiple incidents because it violated both PII and PCI policies, due to the fact that the email attachment contained both payment information and US Social Security Numbers (SSNs). SSNs are
not required for payment processing and should not have been included in any email to Sylvia. This is a good indication that there is a broken business practice and that Joe should be educated on handling data properly. 29. Click on and review the details for these incidents, paying attention to the "Incident Details" and "Message Body" headings
End of exercise 42 Understanding How Confidential Data Is Being Used Copyright © 2019 Symantec Corporation. All Rights Reserved Exercise 3: Monitor Endpoints Activity -- Email Scenario: With the thousands of endpoints across the Symplified Healthcare organization, it has become important to ensure the security of the data used on those
endpoints. Up to this point, Symplified has relied on its employees to be smart with the data, but a few minor incidents have caused Symplified to determine they need to monitor endpoints. Network Prevent for Email has previously
been used only to monitor email at the network level. Symplified would now like to move this processing to the endpoint as a first layer of protection and leave the network level of protection as a secondary layer. In this exercise, you will see how we can use Endpoint monitoring to check email content and attachments similarly to how the Network
monitoring analyzed email in the previous exercise time: 10 minutes Steps: Login to: Endpoint 1. On the Endpoint VM, launch Firefox (if it is not already running) and log in to the Endpoint VM, launch Firefox (if it is not already running) and log in to the Endpoint VM, launch Firefox (if it is not already running) and log in to the Endpoint VM, launch Firefox (if it is not already running) and log in to the Endpoint VM, launch Firefox (if it is not already running) and log in to the Endpoint VM, launch Firefox (if it is not already running) and log in to the Endpoint VM, launch Firefox (if it is not already running) and log in to the Endpoint VM, launch Firefox (if it is not already running) and log in to the Endpoint VM, launch Firefox (if it is not already running) and log in to the Endpoint VM, launch Firefox (if it is not already running) and log in to the Endpoint VM, launch Firefox (if it is not already running) and log in to the Endpoint VM, launch Firefox (if it is not already running) and log in to the Endpoint VM, launch Firefox (if it is not already running) and log in to the Endpoint VM, launch Firefox (if it is not already running) and log in to the Endpoint VM, launch Firefox (if it is not already running) and log in to the Endpoint VM, launch Firefox (if it is not already running) and log in to the Endpoint VM, launch Firefox (if it is not already running) and log in the Endpoint VM, launch Firefox (if it is not already running) and log in the Endpoint VM, launch Firefox (if it is not already running) and log in the Endpoint VM, launch Firefox (if it is not already running) and log in the Endpoint VM, launch Firefox (if it is not already running) and log in the Endpoint VM, launch Firefox (if it is not already running) and log in the Endpoint VM, launch Firefox (if it is not already running) and log in the Endpoint VM, launch Firefox (if it is not already running) and log in the Endpoint VM, launch Firefox (if it is not already running) and log in the Endpoint VM, launch Firefox (if it is not al
Configuration. 3. Click Add Configuration. 4. In the Name field, type: Symplified Agent Configuration 5. On the "Enable Monitoring > Email" heading, select the Outlook option. 6. Click the Advanced Settings tab. Scroll through the advanced settings and modify the following:
EndpointCommunications.HEARTBEAT_INTERVAL_IN_SECONDS.int: 10 Exercise 3: Monitor Endpoint Communications.IDLE_TIMEOUT_IN_SECONDS.int: 10 Exercise 
10. Click Assign Configuration. 11. From the "Assign Configuration" drop-down list, select Symplified Agent Configuration and click OK. 12. Select the Default Group option. 13. Click Update Configuration and click OK. 14. Because there were advanced settings configuration and click OK. 14. Because there were advanced settings configuration.
applied to the endpoint agent after it is restarted. Right-click the Windows Start button, then click Shut down or sign out > Restart. Note: If an RDP connection is used to connect to the lab environment, the preceding command will display the status "Disconnect" rather than restart. In this case, browse to C:\Training Files\Misc, right-click the
the "[email protected]" heading, click the Sent folder. 18. Double-click the email with a subject of "Yesterday's Patient Sign-in Sheet." 19. In the top ribbon, above the "Move" heading (inside the lower right icon menu), click Actions > Resend this message. 20. Click Send. This is the same non-sensitive email used earlier. It will be monitored by the
endpoint agent but should not create any new incidents. 21. Open a web browser and log in to the Enforce console using the following credentials: Username: Administrator Password: training 44 Understanding How Confidential Data Is Being Used Copyright © 2019 Symantec Corporation. All Rights Reserved 22. Browse to Incidents > Endpoint. 23
Ensure there is not an incident regarding an email from Joe to Sylvia with the subject of "Yesterday's Patient Sign-in Sheet." 24. Return to the Outlook client. 25. Under the "[email protected]" heading, click the Inbox. 26. Ensure the new copy of the email arrived from Joe. (Check the timestamp.) 27. Under the "[email protected]" heading, click Sent
28. Double-click the email with a subject of "Patient Processing Info." 29. In the top ribbon, above the "Move" heading, click Actions > Resend this message. 30. Click Send. This is the same sensitive email used earlier. It will be monitored by the endpoint agent and should create a new incident. 31. From Firefox, while still viewing Incidents >
Endpoint - New, click the Enforce console's Refresh button (). Note: An endpoint incident was created as the endpoint monitored the outbound email. Browsing to Incidents > Network would show that a Network incident was also created with the same subject. This is due to the fact that the email was not blocked at the endpoint, and Network
Prevent for Email also scanned the email. In a production environment, it is likely the email would only be monitored on one of the egress points or perhaps blocked on the endpoint. 32. Select an incident record and open up the incident details screen. 33. Below the incident number at the top of the left column, notice the type is listed as "Endpoint and open up the incident number at the top of the left column, notice the type is listed as "Endpoint and open up the incident number at the top of the left column, notice the type is listed as "Endpoint and open up the incident number at the top of the left column, notice the type is listed as "Endpoint and open up the incident number at the top of the left column, notice the type is listed as "Endpoint and open up the incident number at the top of the left column, notice the type is listed as "Endpoint and open up the incident number at the top of the left column, notice the type is listed as "Endpoint and open up the incident number at the top of the left column, notice the type is listed as "Endpoint and open up the incident number at the top of the left column, notice the type is listed as "Endpoint and open up the incident number at the top of the left column, notice the type is listed as "Endpoint and open up the incident number at the top of the left column, notice the type is listed as "Endpoint and open up the incident number at the type is listed as "Endpoint and open up the incident number at the type is listed as "Endpoint and open up the incident number at the type is listed as "Endpoint and open up the incident number at the type is listed as "Endpoint and open up the incident number at the type is listed as "Endpoint and open up the incident number at the type is listed as "Endpoint and open up the incident number at the type is listed as "Endpoint and open up the incident number at the type is listed as "Endpoint and open up the incident number at the type is listed as "Endpoint and open up the incident number at the type is listed as "Endpoint and
Email/ SMTP." 34. Review the details of the incident, paying attention to the information below the "Incident Details" heading. End of exercise 4: Monitor Endpoint Activity -- Third-Party Apps Scenario: With the thousands of
endpoints across the Symplified Healthcare organization, it has become important to ensure the security of the data used on those endpoints. Up to this point, Symplified to determine they need to monitor the endpoints more closely. It has been
decided that the best and easiest solution is to use Symantec DLP to monitor endpoints. Applications File Access Control enables administrators to configure applications that are not pre-configured in Symantec DLP to be monitored for sensitive data using AxCrypt, an unauthorized encryption application
at Symplified Healthcare. IT Security has seen users work with AxCrypt in the past and has decided to use Symantec DLP to ensure that no data is encrypted using this application. Estimated exercise time: 8 minutes Steps: Login to: Endpoint 1. On the Endpoint VM, open a web browser and go to the Enforce administration console. Browse to System
> Agents > Global Application Monitoring. 2. Click Add Application and select Windows. 3. Enter the following information: Name: AxCrypt Binary Name: AxCrypt Binary Name: AxCrypt Binary Name: AxCrypt should now be disp
application list. 6. Browse to System > Agent Configuration. 7. Click Symplified Agent Configuration. 46 Understanding How Configuration. 46 Understanding How Configuration. 7. Click Symplified Agent Configuration. 47. Click Symplified Agent Configuration. 48. Under the "Enable Monitoring" > Configuration System > Agent Configuration. 49. Click Symplified Agent Configuration. 49. Click Symplified Agent Configuration. 40. Click Symplified Agent Co
Save. 10. Click Apply Configuration. 11. Select the Default Group option. 12. Click Update Configuration, then click OK. A new icon should appear on
the file, indicating it was encrypted. The encryption was not blocked; it was detected, and an incident was created. 17. Right-click the file again and select AxCrypt > Decrypt. 18. Return to Firefox and browse to Incident is an Application File
Access Control incident. 19. Click on the new incident. Notice the type is labeled "Endpoint Application File Access." Also notice that the Machine Name, Endpoint Activity -- Third-Party Apps Copyright © 2019 Symantec Corporation. All Rights Reserved
47 Exercise 5: Monitor Endpoint Activity -- Copy/Paste Scenario: With the thousands of endpoints across the Symplified Healthcare organization, it has become important to ensure the security of the data used on those endpoints. Up to this point, Symplified has relied on its employees to be smart with the data, but a few minor incidents have caused
Symplified to determine they need to monitor the endpoints more closely. It has been decided that the best and easiest solution is to use Symantec DLP to monitor endpoints. Malicious insiders intent on taking data often try to copy data out of one document and into another in an attempt to avoid detection. In this exercise you'll see how Endpoint
monitoring can analyze and log incidents involving copying sensitive data from a spreadsheet. Estimated exercise time: 5 minutes Steps: Login to: Endpoint VM, open a web browser and go to the Enforce administration console. Browse to System > Agents > Agents Configuration. 2. Click Symplified Agent Configuration. 3. Under
the "Enable Monitoring > Clipboard" heading, select both Copy and Paste. 4. Click Save. 5. Click Apply Configuration. 6. Select the Default Group option. 7. Click Update Configuration, then click OK. 8. Browse to C:\Training Files\Misc and open the PatientsForProcessing.xlsx file. (You can also open Patients Credit Card Info.csv instead.) 9. Select
rows 1-15. 48 Understanding How Confidential Data Is Being Used Copyright © 2019 Symantec Corporation. All Rights Reserved 10. Right-click the selected rows and browse to Incidents > Endpoint. 12. Click the
most recent incident. Notice that the incident type is "Endpoint Clipboard," and the Matches area shows the information that was copied from the spreadsheet. End of exercise Exercise 5: Monitor Endpoint Activity -- Copy/Paste Copyright © 2019 Symantec Corporation. All Rights Reserved 49 50 Understanding How Confidential Data Is Being Used
Copyright © 2019 Symantec Corporation. All Rights Reserved Educating Users to Adopt Data Protection Practices As IT security manager, you recognize that many internal users who may be putting confidential or sensitive data at risk through their activities are not doing so maliciously, but out of carelessness or ignorance. As such, user education
should be a high priority of your data loss prevention efforts—training and educating users when they violate policy so they can understand what actions are disallowed and adjust their behavior. In this lab, you will be configuring email responses to data loss prevention policies to notify users that a policy violation has occurred. In addition, you will
configure endpoint notifications that popup on the user workstation or laptop to display policy violation information as well as present an opportunity for users to provide a justification for their attempted actions. 51 Copyright © 2019 Symantec Corporation. All Rights Reserved Exercise 1: Configure the Active Directory Lookup Plugin Scenario:
Lookup plugins enable DLP to import data from external sources and import that data into the incidents. Symplified would like to import additional contextual data from external sources and their manager automatically. Estimated exercise time
10 minutes Steps: Login to: Enforce 1. Log in to the Enforce VM using the following credentials: Username: Symplified\Administrator Password: train 2. Launch Firefox and log in to the Enforce Console using the following credentials: Username: Symplified\Administrator Password: train 2. Launch Firefox and log in to the Enforce VM using the following credentials: Username: Symplified\Administrator Password: train 2. Launch Firefox and log in to the Enforce VM using the following credentials: Username: Symplified\Administrator Password: train 2. Launch Firefox and log in to the Enforce VM using the following credentials: Username: Symplified\Administrator Password: train 2. Launch Firefox and log in to the Enforce VM using the following credentials: Username: Symplified\Administrator Password: train 2. Launch Firefox and log in to the Enforce VM using the following credentials: Username: Symplified\Administrator Password: train 2. Launch Firefox and log in to the Enforce VM using the following credentials: Username: Symplified\Administrator Password: train 2. Launch Firefox and log in to the Enforce VM using the following credentials: Username: Symplified\Administrator Password: train 2. Launch Firefox and log in to the Enforce VM using the following credentials: Username: Symplified\Administrator Password: train 2. Launch Firefox and log in the following credentials: Username: Symplified\Administrator Password: train 2. Launch Firefox and log in the following credentials: Username: Symplified\Administrator Password: train 2. Launch Firefox and log in the following credentials: Username: Symplified\Administrator Password: train 2. Launch Firefox and log in the following credentials: Username: Symplified\Administrator Password: train 2. Launch Firefox and log in the following credentials: Username: Symplified\Administrator Password: train 2. Launch Firefox and log in the following credentials: Username: Symplified\Administrator Password: train 2. Launch Firefox and log in the following credentials: Username: Sympli
Name field, type: AD Attributes 6. Delete the description and ensure Symplified Active Directory Connection" drop-down list. 7. Leaving the Firefox windows explorer to browse to C:\Training Files\AD LDAP. 8. Double-click the lookupstrings.txt file to open it in Notepad, then copy the contents to the
clipboard. 52 Login: Administrator Password: training Educating Users to Adopt Data Protection Practices Copyright © 2019 Symantec Corporation. All Rights Reserved 9. Return to Firefox, and in the Attribute Mapping field, delete the current attribute mappings and paste the contents of the lookupstrings.txt file into the field. 10. Click Save. 11.
Click Modify Plugin Chain. 12. Under the "Dedicated Actions" column heading, select On and click Save. 13. Click Lookup Parameters. 14. Select the following options: Incident, Message, Sender 15. Click Save. 16. Browse to System > Incident Data > Attributes tab. Note: Custom attributes are used as a mapping
between the Active Directory lookup strings and the information that is added to the incident. Without the custom attributes, no Active Directory information would appear in an incident even if the lookup was successful. 18. Click Add. 19. In the Name field, type: First Name 20. Next to the "Attribute Group" heading, click the drop-down list and
select Create New Attribute Group. 21. In the field beneath "Create New Attribute Group," type: Employee Info 22. Click Save. 23. Repeat steps 18 to 22 using the information displayed in the following table rather than creating a new attribute group. Name Is
Email Address Last Name Email Attribute Group Employee Info Yes Phone Employee Info Em
2019 Symantec Corporation. All Rights Reserved 53 27. In the field beneath "Create New Attribute Group," type: Manager Info 28. Click Save. 29. Repeat steps 26 and 27, select the attribute group in the following table rather than creating a new attribute group. Name Is
Email Address Manager Last Name Manager Info Yes Manager Info Yes Manager Info Yes Manager Info End of exercise 54 Educating Users to Adopt Data Protection Practices Copyright © 2019 Symantec Corporation. All Rights Reserved Exercise 2: Configure Email Monager Info Yes Manager 
monitoring the data in their organization for a few months and are now ready to start educating users about proper handling and protection of sensitive data to help drive down data loss incidents occur. In this exercise you will
configure email notification response rules that will be used to notify the appropriate people about a violation. You will also send an email from Joe to Sylvia to see the notifications occur. Estimated exercise time: 12 minutes Steps: Login to: Enforce 1. Log in to the Enforce console and browse to System > Settings > General. 2. Click Configure. 3.
Under the "SMTP" heading, in the Server field, type: [email protected] The User ID is used to authenticate to the email server uses the email server uses the email address as the user ID. 6. In the Password field, type: [email protected] The User ID is used to authenticate to the email server. This email server uses the email address as the user ID. 6. In the Password field, type: [email protected] The User ID is used to authenticate to the email server.
necessary to provide the SMTP settings to the Enforce server to enable it to send reports and notifications. These settings are different from the Inline SMTP settings to the Enforce server to enable it to send reports and notifications. These settings are different from the Enforce server to enable it to send reports and notifications. These settings are different from the Enforce server to enable it to send the email on its next hop. Exercise 2: Configure Email Notifications Copyright © 2019 Symantec Corporation. All Rights Reserved 55
8. Browse to Manage > Policies > Response Rules. 9. Click Add Response Rules. 10. Leave the Automated Response Rules. 11. In the Rule Name field, type: Network: SMTP Notification 12. Next to the "Conditions" heading, click Add Condition. 13. Match the drop-down list selections to the following table (hold Ctrl to select
more than one option): Severity Is Any Of High, Medium, Low 14. Click Add Condition again. 15. Match the drop-down list selections to the following table: Incident Type Is Any Of Network 16. Next to the "Actions" heading: Click the drop-down list and select All: Send Email Notification. 17. Click Add Action. 18. In the blue "All: Send Email
Notification" box and next to the "To:" heading, type: [email protected] 20. Next to the "Custom From" heading, type: [email protected] 21. Under the "Notification Content" heading, type: [email protected] 21. Under the "Custom From" heading, type: [email protected] 21. Under the "Notification Content" heading, type: [email protected] 20. Next to the "Custom From" heading, type: [email protected] 21. Under the "Notification Content" heading, type: [email protected] 20. Next to the "Custom From" heading, type: [email protected] 21. Under the "Notification Content" heading, type: [email protected] 21. Under the "Custom From" heading, type: [email protected] 21. Under the "Notification Content" heading, type: [email protected] 21. Under the "Custom From" heading, type: [email protected] 21. Under the "Custom From" heading, type: [email protected] 21. Under the "Custom From" heading, type: [email protected] 21. Under the "Custom From" heading, type: [email protected] 21. Under the "Custom From" heading, type: [email protected] 21. Under the "Custom From" heading, type: [email protected] 21. Under the "Custom From" heading, type: [email protected] 21. Under the "Custom From" heading, type: [email protected] 21. Under the "Custom From" heading, type: [email protected] 21. Under the "Custom From" heading, type: [email protected] 21. Under the "Custom From" heading, type: [email protected] 21. Under the "Custom From" heading, type: [email protected] 21. Under the "Custom From" heading, type: [email protected] 21. Under the "Custom From" heading, type: [email protected] 21. Under the "Custom From" heading, type: [email protected] 21. Under the "Custom From" heading, type: [email protected] 21. Under the "Custom From" heading, type: [email protected] 21. Under the "Custom From" heading, type: [email protected] 21. Under the "Custom From" heading, type: [email protected] 21. Under the "Custom From" heading, type: [email protected] 21. Under the "Custom From" heading, type: [email protected] 21. Under the "Custom From" hea
list. Note: It is possible to add multiple languages to the email notification. The administrator is required to provide the subject and body text in the desired languages to the email Notification action contains various variables (such as
$RECIPIENTS$) that can be used in the subject or body of the notification email. They may be typed in manually or added automatically by clicking the desired variable listed in the "Insert Variable" column on the right. 23. Browse to C:\Training Files\FileShare and open the Email Notification.txt file. 24. Copy the entire contents of the file to the
clipboard. 25. Back in the Enforce console, next to the "Body" heading, paste the contents of the clipboard into the field. 56 Educating Users to Adopt Data Protection Practices Copyright © 2019 Symantec Corporation. All Rights Reserved 26. Click Save. 27. Browse to Manage > Policies > Policies > Policy List. 28. Select Symplified PII (DCM). 29. Click the
Response tab. 30. In the drop-down list, select Network: SMTP Notification, then click Add Response Rule. 31. Click Save. Switch to: Endpoint VM using the following credentials: Username: Symplified\joe user Password: train 33. Open Outlook. 34. Under the "[email protected]" heading, click the Inbox. 35. Click New
Email. 36. In the To field, type: [email protected] 37. In the Subject field, type: Patients for Processing file from the Recent Items list. If the file is not listed, click Browse This PC
and select the file from C:\Training Files\Misc. 40. Click Send, Receive operation, verify that there is an email in Sylvia's and Joe's inboxes. If the email has not arrived, click Send/Receive again. The Enforce server needs time to process the incident and
send the notification. 43. Under the "[email protected]" heading, click the Inbox. 44. Review the notification that was sent from IT Security to Joe regarding the sensitive data that was sent out. ). Exercise 2: Configure Email Notifications Copyright © 2019 Symantec Corporation. All Rights Reserved 57 Switch to: Enforce 45. Open Outlook. 46. Click
the Inboxes for IT Security and Jane Manager and review the notifications for the IT Security group and the employee's manager rather than sending the same notification to all three parties. End of exercise 58
Educating Users to Adopt Data Protection Practices Copyright © 2019 Symantec Corporation. All Rights Reserved Exercise 3: Configure Onscreen Notifications Scenario: With the Symantec DLP endpoint agent deployed to all the endpoint computers in the organization, Symplified is ready to begin actively monitoring and notifying users concerning
the handling of sensitive data on the endpoint. Notifications are being leveraged to help users understand that the data they are interacting with is sensitive and requires proper handling. Estimated exercise time: 10 minutes Steps: Login to: Enforce VM, launch Firefox (if it is not already running) and log in to the Enforce console
using the following credentials, if prompted: Login: Administrator Password: training 2. Browse to Manage > Policies > Response Rule. 4. Leave Automated Response Rule. 5. In the Rule Name field, type: Endpoint: Onscreen Notification 6. Next to the "Conditions" heading, click Add Condition. 7. Match
the drop-down list selections to the following table (Hold Ctrl to select more than one option): Severity Is Any Of Endpoint Next to the "Actions" heading, click the drop-down list and select Endpoint Prevent:
Notify. Exercise 3: Configure Onscreen Notifications Copyright © 2019 Symantec Corporation. All Rights Reserved 59 11. Click Add Action. 12. Review the options available for the Endpoint Prevent: Notify action. Leave the options at their defaults (or modify as desired) and click Save. Note: This response rule will show an onscreen notification to the
user. This allows the security team to inform the user that the data they are handling is sensitive, but it does not block or restrict the action. 13. Browse to Manage > Policies > Polici
Response Rule. 17. Click Save. Switch to: Endpoint 18. Log in to the Endpoint VM, if needed, using the following credentials: Username: administrator Password: train 19. Browse to C:\Training Files\Misc. 20. Right-click the NewPharmaProcess.pdf file and select AxCrypt > Encrypt. 21. If a popup dialog asks for a password, in the Enter Passphrase
and Verify Passphrase fields, type: training 22. Click OK. Note: Using the previously configured Application File Access Control feature of Symantec DLP, any attempt to encrypt a file with AxCrypt now not only creates an incident as it did before, but also shows an onscreen notification to the user. 23. In the notification that is shown, select an option
and click OK. Notice that the file is still encrypted because the user was only notified that the data is sensitive, and the action was not blocked. 24. Right-click the file again and select AxCrypt > Decrypt. 25. Open Firefox and log into the Enforce console using the following credentials: Login: Administrator Password: training 26. Browse to Incidents >
Endpoint. 27. Click the incident with a filename of NewPharmaProcess.pdf. 60 Educating Users to Adopt Data Protection Practices Copyright © 2019 Symantec Corporation. All Rights Reserved 28. Notice that under the "Incident Details," the Agent Response was "User Notified," and the User Justification is the justification selected from the
onscreen notification in step #23. 29. Click the History tab and review the history of the incident. End of exercise Exercise 5: Configure Onscreen Notifications Copyright © 2019 Symantec Corporation. All Rights Reserved
Preventing Unauthorized Exposure of Confidential Data As IT security manager, you have a number of tools available to you in order to prevent the exposure of confidential or sensitive data to parties outside of the organization. Sometimes copy or move operations that put data attachments at risk need to be blocked and the data files quarantined. At
other times the action can be allowed if the data is encrypted first. For certain less serious policy violations, you may want to inform the user of the current policy and give them the ability to allow or cancel the action themselves. In many cases, you'll also want to discover data files where they currently reside and encrypt or quarantine them before a
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user attempts to copy or move them in the first place. In this lab you will learn how to craft and configure the appropriate responses to policy violations, including blocking, quarantining, and user notification. In addition, you'll look at some of the advanced detection techniques such as Optical Character Recognition (OCR) that can find sensitive data
that has been converted to an image. You'll also learn how to configure and run discover scans that can find important or confidential files on network shares or endpoint computers to prevent "data at rest" from become risky "data in motion" in the future. 63 Copyright © 2019 Symantec Corporation. All Rights Reserved Exercise 1: Configure SMTP
Blocking Scenario: Training on the proper handling of sensitive data has been provided to all employees of Symplified Healthcare, in addition to the email notifications and onscreen notifications that employees have been seeing over the past several months. Symplified Healthcare is now prepared to move on the next phase of their DLP deployment-
actively blocking the inappropriate use of sensitive data within the organization. SMTP email will be the first vector to use blocking sensitive email ensures that no confidential data leaves the organization. Estimated exercise time: 5 minutes Steps: Login to: Enforce 1. Log in to the Enforce VM using the following credentials: Username:
Symplified\Administrator Password: train 2. Launch Firefox and log in to the Enforce console using the following credentials, if prompted: Login: Administrator Password: training 3. Browse to Manage > Policies > Response Rules. 4. Click the Network: SMTP Notification rule. 5. In the Rule Name field, modify the name to: Network: SMTP Block &
Notify 6. From the drop-down list next to the "Actions" heading, select Network Prevent: Block SMTP Message and click Add Action. Note: We are now adding a new action to the existing notification response rule to block the SMTP message rather than letting it through and merely notifying the sender (as it was previously configured). 64 Preventing
Unauthorized Exposure of Confidential Data Copyright © 2019 Symantec Corporation. All Rights Reserved 7. In the Redirect Message to this Address field, type: [email protected] 8. Under the "All: Send Email Notification" heading, in the Subject: field, change the word monitored to: blocked 9. Browse to C:\Training Files\Files\Files\Files\Files\Files\Files\Files\Files\Files\Files\Files\Files\Files\Files\Files\Files\Files\Files\Files\Files\Files\Files\Files\Files\Files\Files\Files\Files\Files\Files\Files\Files\Files\Files\Files\Files\Files\Files\Files\Files\Files\Files\Files\Files\Files\Files\Files\Files\Files\Files\Files\Files\Files\Files\Files\Files\Files\Files\Files\Files\Files\Files\Files\Files\Files\Files\Files\Files\Files\Files\Files\Files\Files\Files\Files\Files\Files\Files\Files\Files\Files\Files\Files\Files\Files\Files\Files\Files\Files\Files\Files\Files\Files\Files\Files\Files\Files\Files\Files\Files\Files\Files\Files\Files\Files\Files\Files\Files\Files\Files\Files\Files\Files\Files\Files\Files\Files\Files\Files\Files\Files\Files\Files\Files\Files\Files\Files\Files\Files\Files\Files\Files\Files\Files\Files\Files\Files\Files\Files\Files\Files\Files\Files\Files\Files\Files\Files\Files\Files\Files\Files\Files\Files\Files\Files\Files\Files\Files\Files\Files\Files\Files\Files\Files\Files\Files\Files\Files\Files\Files\Files\Files\Files\Files\Files\Files\Files\Files\Files\Files\Files\Files\Files\Files\Files\Files\Files\Files\Files\Files\Files\Files\Files\Files\Files\Files\Files\Files\Files\Files\Files\Files\Files\Files\Files\Files\Files\Files\Files\Files\Files\Files\Files\Files\Files\Files\Files\Files\Files\Files\Files\Files\Files\Files\Files\Files\Files\Files\Files\Files\Files\Files\Files\Files\Files\Files\Files\Files\Files\Files\Files\Files\Files\Files\Files\Files\Files\Files\Files\Files\Files\Files\Files\Files\Files\Files\Files\Files\Files\Files\Files\Files\Files\Files\Files\Files\Files\Files\Files\Files\Files\Files\Files\Files\Files\Files\Files\Files\Files\Files\Files\Files\Files\Files\Files\Files\Files\Fil
Email Block.txt file and copy all the file's contents to the clipboard. 11. Under the "All: Send Email Block.txt file. 12. Click Save. Switch to: Endpoint 13. Log in to the Endpoint VM using
the following credentials: Username: Symplified to user Password: Training! 14. Launch Outlook, 15. Under the "[email protected]" heading, select the Inbox. 16. Click New Email. 17. In the Email body, type: Patient Info 19. In the email body, type: Patient Info 19. In the email body, type the following (or something of your choosing): Hi Sylvia!
Here are more patient information for the DB. Can you please process it? Thanks, Joe 20. Click Attach File. 21. Click Browse to C:\Training Files\Misc. 22. Select the PatientsForProcessing.xlsx file and click Insert. 23. Click Send. Exercise 1: Configure SMTP Blocking 65 Copyright © 2019 Symantec Corporation. All Rights
Reserved 24. Click Send/Receive (25. Under the "[email protected]" heading, click the Inbox. 26. Review the notification should have arrived for Joe, and the email/file should NOT have arrived in Sylvia's inbox. The notification email may take a couple minutes to arrive. An
email should have also been dispatched to IT Security and Jane Manager notifying them of the violation. Switch to: Enforce 27. Launch Outlook. 28. Under the "[email protected]" heading, click the Inbox. 29. Verify that IT Security has received the notification email as well as the blocked email. Remember that the response rule was configured to
redirect the email to IT Security. This could have been redirected to a quarantine email inbox instead. 30. Verify in Jane Manager's inbox that she received a notification as well. 31. Launch Firefox (if it is not already running) and log in to the Enforce console using the following credentials, if prompted: Login: Administrator Password: training 32.
Browse to Incidents > Network. 33. Open the incident with the subject of "Patient Data" and the violation of the "Symplified PII (DCM)" policy. Notice the red octagon indicating the message was blocked. 34. Click the History tab and review the events relating to the incident. End of exercise 66 Preventing Unauthorized Exposure of Confidential Data
Copyright © 2019 Symantec Corporation. All Rights Reserved Exercise 2: Test Optical Character Recognition (OCR) and the "HIPAA and HITECH (including PHI)" Policy Scenario: Symplified is testing a new policy for its US offices along with an additional Symantec DLP feature. They have created a test policy called "HIPAA and HITECH (including PHI)" Policy Scenario: Symplified is testing a new policy for its US offices along with an additional Symantec DLP feature. They have created a test policy called "HIPAA and HITECH (including PHI)" Policy Scenario: Symplified is testing a new policy for its US offices along with an additional Symantec DLP feature.
PHI)," based on a Symantec DLP policy template, that looks for combinations of medical keywords and US Social Security numbers. The Symplified DLP administrators have also installed a Symantec DLP OCR server for text extraction. They
are now going to run a test of this setup. Estimated exercise time: 10 minutes Steps: Login to: Endpoint 1. On the Endpoint VM, launch Firefox and log in to the Enforce console using the following credentials: Login: Administrator Password: training 2. Browse to System > Servers and Detectors > Overview and, under the "Servers and Detectors"
heading, click the Symplified Detection Server link. 3. On the "Server / Detector Detail" page that appears, click the OCR Configuration (the OCR configuration you created previously) from the drop-down list, and click Save. If a yellow bar appears and
prompts you to recycle the detection server, ignore it and do NOT recycle the detection server after assigning the OCR configuration. Disregard the yellow prompt asking you to recycle the detection server after assigning the OCR configuration. Disregard the yellow prompt asking you to recycle the detection server.
HITECH (including PHI)" Policy Copyright © 2019 Symantec Corporation. All Rights Reserved 67 6. Click the green circle to the left of the HIPAA and HITECH (including PHI) policy and then click OK to confirm you want to
turn the policy on. 8. Click the HIPAA and HITECH (including PHI) policy to open it for editing, 9. Click Save. 11. If necessary, open Outlook. 12. Under the "[email protected]" heading, select the Inbox. 13. Click New Email. 14. In
the To field, type: [email protected] 15. In the Subject field, type: Test of HIPAA Policy and OCR 16. In the email body, type the following (or something of your choosing): Hi Sylvia! I'm attaching a scanned lab test request form. This is a test. Thanks, Joe 17. Click Attach File. 18. Click Browse This PC and browse to C:\Training Files\Misc. 19. Select
the JamesGuerra_Lab_Test_Order_Form.pdf file and click Insert. 20. Click Send. 21. Wait for the Inbox to refresh or click Send/Receive (22. Review the notification should have arrived for Joe, and the email/file should not have arrived in Sylvia's inbox. An email
should have also been dispatched to IT Security and Jane Manager, notifying them of the violation. 23. 68 In the Enforce administration console, browse to Incidents > Network. Preventing Unauthorized Exposure of Confidential Data Copyright © 2019 Symantec Corporation. All Rights Reserved 24. Open the incident with the subject of "Test of
HIPAA Policy and OCR" and the violation of the "HIPAA and HITECH (including PHI)" policy. Notice the red octagon indicating the message was blocked. 25. In the "Matches" column underneath the thumbnail photo, click the Click Show original size and review the PDF scan image that triggered the incident. Note that the
OCR engine was able to extract the text content from the fixed image within the PDF file. 27. Click Close when you are finished reviewing the image. 28. Browse to Manage > Policy, and click OK to confirm that you want to turn the policy off. 29. Click the
red circle to the left of the Symplified PII (DCM) policy and the "HIPAA and HITECH (including PHI)" Policy Copyright © 2019 Symantec Corporation. All Rights Reserved 69 Exercise 2: Test Optical Character Recognition (OCR) and the "HIPAA and HITECH (including PHI)" Policy Copyright © 2019 Symantec Corporation.
Scenario: The employees of Symplified have been educated on the proper handling sensitive information. It has been determined that if an endpoint user is not handling sensitive data appropriately, that information should be actively blocked by the DLP Endpoint agent. Because Joe was not able to send the message to Sylvia via normal email, here
decides to try using the Symplified Webmail portal instead. Estimated exercise time: 8 minutes Steps: Login to: Endpoint VM, launch Firefox (if it is not already running) and log in to the Enforce console using the following credentials, if prompted: Login: Administrator Password: training 2. Browse to System > Agents > Agents
Configuration. 3. Click Symplified Agent Configuration. 4. Under the "Enable Monitoring > Web" heading, check HTTP. 5. Click Save. 6. Click Apply Configuration. 7. Select the Default Group option, click Update Configuration. 7. Select the Default Group option, click Save. 6. 
Automated Response selected and click Next. 70 Preventing Unauthorized Exposure of Confidential Data Copyright © 2019 Symantec Corporation. All Rights Reserved 11. In the Rule Name field, type: Endpoint: Block User Action 12. Next to the "Conditions" heading, click Add Condition. 13. Match the drop-down list selections to the following table
Incident Type Is Any Of Endpoint 14. Click Add Condition again. 15. Match the drop-down list selections to the following table (hold Ctrl to select more than one option): Severity Is Any Of High, Medium, Low 16. Next to the "Actions" heading, from the drop-down list, select Endpoint > Prevent: Block and click Add Action. 17. You may edit the
Endpoint Notification Content alert message as desired or leave it as is. 18. Click Save. 19. Browse to Manage > Policies > Policies
25. Log in to the Symplified Webmail Portal using the following credentials: Username: [email protected] Password: train 26. Click Login. 27. In the top left of the browser screen, click New > Email Message. 28. In the To field, type: [email protected] 29. In the Subject field, type: Patient Info 30. Click the Attachments link. 31. Click Browse and
browse to: C:\Training Files\Misc 32. Select the PatientsForProcessing file and click Open. 33. Click Attach. At this point, you should see a progress bar and then blocked the HTTP upload. Exercise 3: Configure Endpoint Blocking Copyright © 2019 Symantec
Corporation. All Rights Reserved 71 34. Select a response to the block notification and click OK. Because the action was blocked, the web mail client cannot continue, and an error dialog appears (Click OK). 35. Close the Webmail tab in Firefox and return to the Enforce console. 36. Browse to Incidents > Endpoint. 37. Click the incident with a
recipient URL that starts with .... 38. Notice that the incident type is "Endpoint HTTP" and the Agent Response was "Action Blocked." 39. In the incident details, notice that the URL is listed, as well as the message body of the HTTP POST. End of exercise 72 Preventing Unauthorized Exposure of Confidential Data Copyright © 2019 Symantec
Corporation. All Rights Reserved Exercise 4: Configure Endpoint User Cancel Scenario: Symplified employees working on "Project Halo," a new web application, are supposed to check in all code to the Git repository. Symplified policies dictate that no source code should be stored on a network drive. However, there are some instances when a file
needs to be stored on a network share for vulnerability testing by a third party. Before allowing a file to be copied to the network share, Symplified has chosen to block any Project Halo files but allow the user to consciously decide if copying is the right action. Estimated exercise time: 8 minutes Steps: Login to: Enforce VM, launch
Firefox (if it is not already running) and log in to the Enforce console using the following credentials, if prompted: Login: Administrator Password: training 2. Browse to System > Agent Configuration. 3. Click Symplified Agent Configuration. 4. Under the "Enable Monitoring > Network Shares" headings, check Copy to Share. 5. Click Save.
6. Click Apply Configuration. 7. Select the Default Group option, click Update Configuration, then click OK. 8. Browse to Manage > Policies > Response Rule. 10. Leave Automated Response Rule.
Copyright © 2019 Symantec Corporation. All Rights Reserved 73 12. Next to the "Conditions" heading, click Add Condition. 13. Match the drop-down list, select Endpoint > Prevent
User Cancel and click Add Action. 15. Under the "Endpoint Notification Content" heading, change the second drop-down list from Broken Business Process to New Justification, then in the field below it, type: Third-Party Testing 16. In the Option Presented to the End User field to the right of the new justification, delete the current text and type: Third-Party Testing 16. In the Option Presented to the right of the new justification, delete the current text and type: Third-Party Testing 16. In the Option Presented to the right of the new justification and right of the new justification are not presented to the right of the new justification are not presented to the right of the new justification are not presented to the right of the new justification are not presented to the right of the new justification are not presented to the right of the new justification are not presented to the right of the new justification are not presented to the right of the new justification are not presented to the right of the new justification are not presented to the right of the new justification are not presented to the right of the new justification are not presented to the right of the new justification are not presented to the right of the new justification are not presented to the right of the new justification are not presented to the right of the new justification are not presented to the right of the new justification are not presented to the right of the new justification are not presented to the right of the new justification are not presented to the right of the new justification are not presented to the new justification are not presente
file requires third-party vulnerability testing 17. Click Save. 18. Browse to Manage > Policies > Policy List. 19. Select Endpoint VM (if not open
already) and bring up a File Explorer (Windows Explorer) window. 24. Browse to C:\Training Files\. 25. Select and copy the ProjectHalo.zip file into the
network share. An onscreen notification should appear, notifying the user that the data they are transferring is sensitive. The user that the data they are transferring is sensitive. The user that the data they are transferring is sensitive. The user that the data they are transferring is sensitive. The user that the data they are transferring is sensitive.
is created. Clicking Allow enables the action to continue. Clicking Cancel blocks the action. Switch to: Enforce 74 Preventing Unauthorized Exposure of Confidential Data Copyright © 2019 Symantec Corporation. All Rights Reserved 29. Back in the Enforce console, browse to Incidents > Endpoint. 30. Click the incident with a File Name of
ProjectHalo.zip. 31. Review the incident details, including the Agent Response, User, and User Justification. End of exercise 5: Scan and Quarantine Files on a Server File Share Target Scenario: Previously, Symplified scanned and
found all open shares and configured a Windows file share on the shares. They have now decided it is time to begin quarantining the files found in these shares to a secure file will be left in place of the original file. This marker file will indicate where the user can find
the original file and how to access to it. Estimated exercise time: 10 minutes Steps: Login to: Enforce VM, launch Firefox (if it is not already running) and log in to the Enforce console using the following credentials, if prompted: Login: Administrator Password: training 2. Browse to Manage > Policies > Response Rules. 3. Click Add
Response Rule. 4. Leave Automated Response selected and click Next. 5. In the Rule Name field, type: Discover Click Add Conditions dealing, click Add Conditions again. Preventing Unauthorized
Exposure of Confidential Data Copyright © 2019 Symantec Corporation. All Rights Reserved 9. Match the drop-down list select more than one option): Severity Is Any Of High, Medium, Low 10. Next to the "Actions" heading, from the drop-down list, select Network Protect > Quarantine File and click Add
Action. 11. Next to the "Marker File" heading, select the option Leave marker file in place of remediated file. 12. Browse to C:\Training Files\FileShare. 13. Open the Quarantine Text.txt file and copy the text to the clipboard contents. Feel free to modify the text and use
other variables in the text. 15. Click Save. 16. Browse to Manage > Policies > Policy List. 17. Click the Response tab. 19. From the drop-down list, select Discover Scanning > Discover Targets.
22. Click the Windows File Share Scan target (link in the Target Name column) to edit the details. 23. On the details page, click the Protect tab. 24. Select the Quarantine 26. Under "Protect Credential" heading, select Use Saved Credentials, and from the
drop-down list, select dlpscan (symplified\dlpscan). 27. Click Save. 28. Select the Windows File Share Scan option and click the Enforce console's Refresh button ("Completed." 31. Browse to Incidents > Discover. 32. Under the "Filter" heading, next
to "Scan," click the drop-down list and select Last Completed Scan. ) until the Scan Status is shown as Exercise 5: Scan and Quarantine Files on a Server File Share Target ID" heading, select Custom from the drop-down list, then select the Windows File Share
Scan option to the right of the drop-down list. 34. Click Apply in the top right of the screen. 35. Select one of the File Location and the Remediated Location of the document found by the discover scan. 37. Browse to C:\FileShare (NOTE: not
c:\Training Files\FileShare) and double-click the file from the selected incident. 38. Review the marker file that was left by the discover scan in place of the original file. 39. Browse to C:\Quarantine\Windows File Share and locate the file of the selected incident. Note: The files discovered in the scan and
quarantined were moved to this specified secure location. The full original files are available here in the quarantine Eles on an Endpoint Target Scenario: Symplified is
now ready to begin monitoring the files stored on the endpoint computers in addition to the files stored on the endpoint scan will be configured to scan all files on the endpoint scan will be configured to scan all files on the endpoint scan will be configured to scan all files on the endpoint scan will be configured to scan all files on the endpoint scan will be configured to scan all files on the endpoint scan will be configured to scan all files on the endpoint scan will be configured to scan all files on the endpoint scan will be configured to scan all files on the endpoint scan will be configured to scan all files on the endpoint scan will be configured to scan all files on the endpoint scan will be configured to scan all files on the endpoint scan will be configured to scan all files on the endpoint scan will be configured to scan all files on the endpoint scan will be configured to scan all files on the endpoint scan will be configured to scan all files on the endpoint scan will be configured to scan all files on the endpoint scan will be configured to scan all files on the endpoint scan will be configured to scan all files on the endpoint scan will be configured to scan all files on the endpoint scan will be configured to scan all files on the endpoint scan will be configured to scan all files on the endpoint scan will be configured to scan all files on the endpoint scan will be configured to scan all files on the endpoint scan will be configured to scan all files on the endpoint scan will be configured to scan all files on the endpoint scan will be configured to scan all files on the endpoint scan will be configured to scan all files on the endpoint scan will be configured to scan all files on the endpoint scan will be configured to scan all files on the endpoint scan will be configured to scan all files on the endpoint scan will be configured to scan all files on the endpoint scan will be configured to scan all files on the endpoint scan will be configured to scan all files on the endpoint scan all fi
it is not already running) and log in to the Enforce console using the following credentials, if prompted: Login: Administrator Password: training 2. Browse to Manage > Policies > Response Rules. 3. Click Add Response Rules. 4. Leave Automated Response Rules. 5. In the Rule Name field, type: Endpoint Discover: Quarantine File 6.
Next to the "Conditions" heading, click Add Condition. 7. Match the drop-down list selections to the following table: Incident Type Is Any Of Discover 8. Click Add Condition again. 9. Match the drop-down list selections to the following table: Incident Type Is Any Of Discover 8. Click Add Condition. 7. Match the drop-down list selections to the following table: Incident Type Is Any Of Discover 8. Click Add Condition. 7. Match the drop-down list selections to the following table: Incident Type Is Any Of Discover 8. Click Add Condition. 7. Match the drop-down list selections to the following table: Incident Type Is Any Of Discover 8. Click Add Condition. 7. Match the drop-down list selections to the following table: Incident Type Is Any Of Discover 8. Click Add Condition. 7. Match the drop-down list selections to the following table: Incident Type Is Any Of Discover 8. Click Add Condition. 7. Match the drop-down list selections to the following table: Incident Type Is Any Of Discover 8. Click Add Condition. 7. Match the drop-down list selections to the following table: Incident Type Is Any Of Discover 8. Click Add Condition. 7. Match the drop-down list selections to the following table: Incident Type Is Any Of Discover 8. Click Add Condition. 7. Match the drop-down list selections to the following table: Incident Type Is Any Of Discover 8. Click Add Condition. 7. Match the drop-down list selections to the following table: Incident Type Is Any Of Discover 8. Click Add Condition and Is Any Of Discover 8. Click Add Condition and Is Any Of Discover 8. Click Add Condition and Is Any Of Discover 8. Click Add Condition and Is Any Of Discover 8. Click Add Condition and Is Any Of Discover 8. Click Add Condition and Is Any Of Discover 8. Click Add Condition and Is Any Of Discover 8. Click Add Condition and Is Any Of Discover 8. Click Add Condition and Is Any Of Discover 8. Click Add Condition and Is Any Of Discover 8. Click Add Condition and Is Any Of Discover 8. Click Add Condition and Is Any Of Discover 8. Click Add Cond
heading, from the drop-down list, select Endpoint > Discover: Quarantine File and Click Add Action. Exercise 6: Scan and Quarantine Files on an Endpoint Target Copyright © 2019 Symantec Corporation. All Rights Reserved 79 11. In the Quarantine Files on an Endpoint Target Copyright © 2019 Symantec Corporation.
Credentials, then select symplified\dlpscan from the accompanying drop-down list. 13. Under the "Marker File" heading, select the option Leave marker file in place of remediated file. 14. In the Marker File" heading, select the option Leave marker file in place of remediated file. 14. In the Marker File" heading, select the option Leave marker file in place of remediated file. 14. In the Marker File in place of remediated file. 14. In the Marker File in place of remediated file. 15. Click Save. 16. Browse to Manage >
Policies > Policy List. 17. Click on Symplified PII (DCM) to edit policy details. 18. Click Save. 21. Browse to Manage > Discover Scanning > Discover Targets. 22. Select Endpoint File Share Scan and click Start Scan. 23.
Under the "Scan Status" column heading, click the Enforce console's Refresh button () until the Scan is lengthy, you can continue with the
course and return to review the results later. Note that incidents can be generated and recorded even before the scan has finished (or at least one incident has been reported), browse to Incidents > Discover. 26. Under the "Filter" heading, next to the "Target ID" heading, select Custom from the drop-down list, then
select Endpoint File Share Scan in the box to the right. 27. Click Apply in the top right of the Enforce console screen. 28. Click the most recent incident that displays an icon of a safe in the "Type" column. 29. Review the Incident Data and note the File Location and the Remediation Location of the document found by the Discover scan. 30. Browse to
C:\Quarantine\\ENDPOINT\c\MyData. Note that the Scan ID changes with each scan. 31. Verify that the file you made a note of in step 29 has been quarantined. 80 Preventing Unauthorized Exposure of Confidential Data Copyright © 2019 Symantec Corporation. All Rights Reserved Switch to: Endpoint 32. Browse to C:\MyData and double-click the
file you made a note of in step 29. 33. Review the Marker file text. End of exercise Exercise 6: Scan and Quarantine Files on an Endpoint Target Copyright © 2019 Symantec Corporation. All Rights Reserved Remediating Data
Loss Incidents and Tracking Risk Reduction Once data loss prevention policies have been put in place, one of your important roles will be to analyze any triggered incidents and decide upon the proper remediation. How will you track
incidents organization-wide over a period of time and verify that the rate of incidents is decreasing? In this lab, you'll learn how to configure users and roles, and how users with the right privileges can view, analyze, and remediate incidents after they occur. You'll learn about the reporting capabilities of DLP's Enforce server and how to generate
useful reports and views of incidents by category and user. Additionally, you'll learn how to configure "Smart Responses" that can provide the appropriate response without needing direct human input. 83 Copyright © 2019 Symantec Corporation. All Rights Reserved Exercise 1: Configure Roles and Users Scenario: Remediating the incidents
Symantec DLP creates, especially in the early implementation days, might require a few people to review all the incident for further review, dismissing the incident as a false positive, or fine-tuning the policies. To simplify this process, Symplified has
decided to organize a team within the IT department to act as the DLP First Responders. This new team needs to have access to the Symantec DLP Enforce console and its incidents in which all employee information has been redacted. They should be
restricted from making any changes to other settings within the Enforce console. It will also be necessary to create a role for the IT team responsible for creating and maintaining DLP policies and response rules. Lastly, a role should be created for the hospital executives, allowing them to log in and see the risk reduction reports that have been
created for them. Estimated exercise time: 5 minutes Steps: Login to: Enforce VM using the following credentials; Username: Symplified\Administrator Password: training 3. Browse to System
> Login Management > Roles. 4. Click Add Role. 5. In the Name field, type: DLP First Responders 84 Remediating Data Loss Incidents and Tracking Risk Reduction Copyright © 2019 Symantec Corporation. All Rights Reserved Note: The DLP First Responders role will be configured to allow a first responder to view enough information to determine
if the incident is a positive or false positive or false positive incident, and then either escalate it for further review or dismiss it. This role will also be configured to prevent the first responder from seeing user information relating to the incident. 6. Under the "User Privileges" heading, ensure that ONLY the following options are selected (deselect
all others): Shared Endpoint Discover History Machine Name Location Subject 7. Under the "User Privileges > Custom Attribute" heading, deselect the following: • First Name • Last Name • Last Name • Last Name • Custom Attributes should still be selected. 9. Under the
  'Discover" heading, deselect Folder Risk Reporting. 10. Click the Incident Access tab. 11. Click Add Condition and select the following from the drop-down lists: Status Equals New 12. Click Save. 13. Click Add Role. 14. In the Name field, type: IT Security Note: The IT Security role will be configured to allow access to server mana-
management, and user management, but will be restricted from seeing any incident data. 15. Under the "User Privileges > System" heading, deselect the View option. 17. Click the Policy Management tab. 18. Select all the options
beneath the "Privileges" heading. 19. Select All Policy Groups under the "Policy Groups" heading. Exercise 1: Configure Roles and Users 85 Copyright © 2019 Symantec Corporation. All Rights Reserved 20. Click Save. 21. Click Add Role. 22. In the Name field, type: CISO Note: The CISO role will be configured to allow viewing of the configured
reports and user reporting. 23. Under the "User Privileges > People" and "Incidents" heading, select User Reporting (Risk Summary, User Snapshot). A red notification will appear under the "People" and "Incidents" headings. This is expected behavior. 24. Click Save. Note: Now that the necessary roles are created, users can be created and associated with those
roles, 25, Browse to System > Login Management > DLP Users, 26, Click Add DLP Users, 27. In the Name field, type: FirstResponder 28, Under the "Roles" heading, select DLP First Responders, 30, Click Save, 31, Repeat steps 26 to 30, using the following
information to create two more users: Name Password Role ITSecurity training ITSecurit
next to Distribution, select Send reports as links, login required to view. 35. Click Save. End of exercise 86 Remediating Data Loss Incidents and Tracking Risk Reduction Copyright © 2019 Symantec Corporation. All Rights Reserved Exercise 2: Use Reports to Track Risk Exposure and Reduction Scenario: During the deployment and implementation
of Symantec DLP, the hospital executives want to be kept upto-date on how the implementation is going, as well as the number of incidents found. They are also interested in ensuring that the data risk is being reduced each month, and they want to see evidence of that reduction. To provide the executives with the information they require, a custom
report and a custom dashboard need to be created in the Enforce console. These items will allow executives to see real-time reporting on the enforce VM, in the Enforce Console, click Administrator > minutes Steps: Login to: Enforce VM, in the Enforce Console, click Administrator > minutes Steps: Login to: Enforce Console, click Administrator > minutes Steps: Login to: Enforce VM, in the Enforce Console, click Administrator > minutes Steps: Login to: Enforce Console, click Administrator > minutes Steps: Login to: Enforce Console, click Administrator > minutes Steps: Login to: Enforce Console, click Administrator > minutes Steps: Login to: Enforce Console, click Administrator > minutes Steps: Login to: Enforce Console, click Administrator > minutes Steps: Login to: Enforce Console, click Administrator > minutes Steps: Login to: Enforce Console, click Administrator > minutes Steps: Login to: Enforce Console, click Administrator > minutes Steps: Login to: Enforce Console, click Administrator > minutes Steps: Login to: Enforce Console, click Administrator > minutes Steps: Login to: Enforce Console, click Administrator > minutes Steps: Login to: Enforce Console, click Administrator > minutes Steps: Login to: Enforce Console, click Administrator > minutes Steps: Login to: Enforce Console, click Administrator > minutes Steps: Login to: Enforce Console, click Administrator > minutes Steps: Login to: Enforce Console, click Administrator > minutes Steps: Login to: Enforce Console, click Administrator > minutes Steps: Login to: Enforce Console, click Administrator > minutes Steps: Login to: Enforce Console, click Administrator > minutes Steps: Login to: Enforce Console, click Administrator > minutes Steps: Login to: Enforce Console, click Administrator > minutes Steps: Login to: Enforce Console, click Administrator > minutes Steps: Login to: Enforce Console, click Administrator > minutes Steps: Login to: Enforce Console, click Administrator > minutes Steps: Login to: Enforce Console, click Administrator > minutes Steps: Lo
Logout, then click OK. 2. Log in to the Enforce console using the following credentials: Login: CISO Password: training Note: Notice the reduced number of tabs at the top of the user interface associated with this login. 3. Browse to Incidents > All Reports. 4. Click Create Dashboard. 5. Select the Shared Dashboard option and click Next. 6. In the
Name field, type: Executive Summary Report Exercise 2: Use Reports to Track Risk Exposure and Reduction Copyright © 2019 Symantec Corporation. All Rights Reserved 87 7. Match the Left Column (Chart and Table)
Network: Policy Summary Network: Incidents - New Endpoint: Policy Summary Endpoint: Policy Summary Discover: Target Summary Discover: Incidents - All Scans 8. Click Save. 9. Under "Saved Reports - CISO as CISO," click Executive Summary Discover: Incidents - New Endpoint: Policy Summary Discover: Target Summary Discover:
selects the new dashboard as the default dashboard for the CISO user. 11. Browse to Incidents > Endpoint. 12. In the "Filter" section, click Advanced Filters & Summarization. 13. In the Enforce console screen, click Apply. 15. Above the "Filter" section, click Advanced Filters are the CISO user. 11. Browse to Incidents > Endpoint. 12. In the "Filter" section, click Advanced Filters are the CISO user. 11. Browse to Incidents > Endpoint. 12. In the "Filter" section, click Advanced Filters are the CISO user. 13. In the Summarization. 13. In the Summarization. 13. In the Summarization is the CISO user. 14. In the Summarization is the CISO user. 14. In the Summarization is the CISO user. 15. Above the "Filter" section, click Advanced Filters are the CISO user. 15. Above the "Filter" section, click Advanced Filters are the CISO user. 15. Above the "Filter" section, click Advanced Filters are the CISO user. 15. Above the "Filter" section, click Advanced Filters are the CISO user. 15. Above the "Filter" section is the CISO user. 15. Above the "Filter" section is the CISO user. 15. Above the "Filter" section is the CISO user. 15. Above the "Filter" section is the CISO user. 15. Above the "Filter" section is the CISO user. 15. Above the "Filter" section is the CISO user. 15. Above the "Filter" section is the CISO user. 15. Above the "Filter" section is the CISO user. 15. Above the "Filter" section is the CISO user. 15. Above the "Filter" section is the CISO user. 15. Above the "Filter" section is the CISO user. 15. Above the "Filter" section is the CISO user. 15. Above the "Filter" section is the CISO user. 15. Above the "Filter" section is the CISO user. 15. Above the "Filter" section is the CISO user. 15. Above the "Filter" section is the CISO user. 15. Above the "Filter" section is the CISO user. 15. Above the "Filter" section is the CISO user. 15. Above the "Filter" section is the CISO user. 15. Above the "Filter" section is the CISO user. 15. Above the "Filter" section is the CISO user. 15. Above the "Filter" sectio
section, click Save > Save As. 16. In the Name field, type: Protocol by Policy Summary 17. Next to the "Sharing" heading, select the Shared option. 18. Click Save. Note: The newly saved report is now available on the left under the "Saved Reports" heading, select the Shared option. 18. Click Save. Note: The newly saved report is now available on the left under the "Saved Reports" heading, select the Shared option. 18. Click Save. Note: The newly saved report is now available on the left under the "Saved Reports" heading, select the Shared option. 18. Click Save. Note: The newly saved report is now available on the left under the "Saved Reports" heading, select the Shared option. 18. Click Save. Note: The newly saved report is now available on the left under the "Saved Reports" heading, select the Shared option. 18. Click Save. Note: The newly saved report is now available on the left under the "Saved Reports" heading, select the Shared option. 18. Click Save. Note: The newly saved report is now available on the left under the "Saved Reports" heading, select the Shared option. 18. Click Save. Note: The newly saved report is now available on the left under the "Saved Reports" heading, select the Shared option. 18. Click Save. Note: The newly saved report is now available on the left under the "Saved Reports" heading, select the Shared option is not available on the left under the "Saved Reports" heading, select the Shared option is not available on the left under the "Saved Reports" heading, select the Shared option is not available on the left under the "Saved Reports" heading, select the Shared option is not available on the left under the "Saved Reports" heading, select the Shared option is not available on the left under the "Saved Reports" heading, select the shared option is not available on the left under the "Saved Reports" heading, select the shared option is not available on the left under the "Saved Reports" heading is not available of the shared option is not available of the shared option is not avai
2019 Symantec Corporation. All Rights Reserved Exercise 3: Define Incident Statuses and Status Groups Scenario: The newly created First Responders team within the IT department has expressed a need for some new incident statuses to be created. These new statuses will make it easier for the escalation team to focus on the higher priority
incidents first and help everyone keep track of which incidents have already been addressed. Estimated exercise time: 5 minutes Steps: Login to: Enforce Console using the following credentials: Login:
ITSecurity Password: training Note: Notice that the IT Security user lacks the Incidents tab. 3. Browse to System > Incident Data > Attributes. 4. On the Status tab, next to the "Status values" heading, click Add. 5. In the Name field, type: Resolved 6. Click Save. 7. Repeat steps 4 to 6 to create the following Status names: • Resolved - Education
Resolved - HR • Resolved - False Positive • Escalated 8. Next to the "Status Groups" heading, click Add Status Groups Copyright © 2019 Symantec Corporation. All Rights Reserved 89 9. In the Name field, type: Resolved 10. Next to the "Member Status" heading, select the following: • Resolved
• Resolved - Education • Resolved - False Positive • Resolved - HR 11. Click Save. End of exercise 90 Remediating Data Loss Incidents and Tracking Risk Reduction Copyright © 2019 Symantec Corporation. All Rights Reserved Exercise 4: Configure and Use Smart Responses Scenario: The First Responders team has been manually changing the
status of the incidents they review to "Escalated" or "Resolved - Education," depending on the type of incident. They have indicated that this takes up quite a bit of their time over the course of the day, and they would like to know if there is any way to automate the process. Upon investigation, the IT team decides to implement a Smart Response rule
that will help speed up the process of changing the incident status and sending out any notification emails to users or managers. Estimated exercise time: 5 minutes Steps: Login to: Enforce VM, in the En
previous exercise. If not, login again using ITSecurity/training) 2. Click Add Response Rule. 3. Select the Smart Response option and click Next. 4. In the Rule Name field, type: Escalate Incident 5. Next to the "Actions" heading, select Set Status from the drop-down list, then click Add Action. 6. From the Status drop-down list, select Escalated. 7. Next
to the "Actions" heading, from the drop-down list, select Send Email Notification then click Add Action. 8. In the Custom To field, type: [email protected] 9. From the Language drop-down list, select Send Email Notification then click Add Action. 8. In the Subject field, type: [email protected] 9. From the Language drop-down list, select Send Email Notification then click Add Action. 8. In the Custom To field, type: [email protected] 9. From the Language drop-down list, select Send Email Notification then click Add Action. 8. In the Custom To field, type: [email protected] 9. From the Language drop-down list, select Send Email Notification then click Add Action. 8. In the Custom To field, type: [email protected] 9. From the Language drop-down list, select Send Email Notification then click Add Action. 8. In the Custom To field, type: [email protected] 9. From the Language drop-down list, select Send Email Notification then click Add Action. 8. In the Custom To field, type: [email protected] 9. From the Language drop-down list, select Send Email Notification then click Add Action. 8. In the Custom To field, type: [email protected] 9. From the Language drop-down list, select Send Email Notification then click Add Action. 8. In the Custom To field, type: [email protected] 9. From the Language drop-down list, select Send Email Notification the context of the context o
Symantec Corporation. All Rights Reserved 91 11. In the Body field, create an appropriate email to the escalation team indicating that the incident has been escalated. Use a variety of variables in the body text. 12. Click Save. 13. Browse to System > Login Management > Roles. 14. Select the DLP First Responders role. 15. Under the "User Privileges
> Smart Response Rules to Execute" heading, click the + next to Escalate Incident. Note: The Escalate Incident response Rules for Execution box on the right. 16. Click Save. 17. In the top-right area of the Enforce console screen, click IT Security\ITSecurity > Logout, then click OK. 18. Log in to the
Enforce console using the following credentials: Login: FirstResponder Password: training 19. Click the first incident in the list. Notice that on this details page many fields, such as the sender and message body, have also been
removed. 21. In the blue bar above the incident number, click Escalate Incident has now been marked as escalated, and the escalation team has been notified. The incident has now been marked as escalated, and the escalation team has been notified. The incident has now been marked as escalated, and the escalation team has been notified. The incident has now been marked as escalated, and the escalation team has been notified.
Data Loss Incidents and Tracking Risk Reduction Copyright © 2019 Symantec Corporation. All Rights Reserved Exercise 5: Schedule and Send Reports Scenario: The hospital executives have submitted a request to IT to have a report automatically sent to them on a monthly basis. This will allow them to take a quick look at the progress and state of
the organization's Data Loss Prevention implementation. Although they can log in to the console and look for themselves, many of the executives are busy and would rather receive a monthly report that summarizes the progress. Estimated exercise time: 5 minutes Steps: Login to: Enforce 1. On the Enforce VM, in the top-right area of the Enforce
console screen, click DLP First Responder > Logout, then click OK. 2. Log in to the Enforce console using the following credentials: Login: CISO Password: training 3. Browse to Incidents > Endpoint > Protocol by Policy Summary. 4. Above the "Filter" section, click Send > Schedule Distribution. 5. In the To field, type:
[email protected] If desired, write body text in the Body field. 6. Under the "Schedule Delivery" heading, select Sun and click Next. 8. Click Save. Note: This report would likely be limited to information from the last 7 days
and a monthly report would be sent out on a monthly basis. End of exercise 5: Schedule and Send Reports 93 Copyright © 2019 Symantec Corporation. All Rights Reserved Enhancing Data Loss Prevention with
Integrations Since Data Loss Prevention can be combined with other useful Symantec (and third-party) integrations to form a more robust security system, it is important to look at some of the additional products
and tools that integrate with Symantec DLP, and how those products and tools assist in the goal of finding and protecting confidential and sensitive data. 95 Copyright © 2019 Symantec Corporation. All Rights Reserved Exercise 1: Create the Views Schema and User Although the reporting features in the Enforce console interface are useful and
powerful, there are times when a highly specialized report to fit nearly every reporting need. This lab will make extensive use of the command line. Estimated exercise time: 5 minutes Steps: Login to: Enforce 1. Log in to the Enforce VM using the
following credentials: Username: Symplified\Administrator Password: train 2. Click the command prompt, enter the following command: cd \Training Files\SQL) on the taskbar. Note: Throughout these lab exercises, press the Enter key each time you are finished typing a command. 4. Enter the following command:
sqlplus /nolog The SQL> prompt should now be shown, along with the Oracle database version information. 5. At the SQL> prompt, enter: @create incident access user.sql 6. When prompted for the username to create, enter:
INCIDENT VIEW 9. When prompted for the password for the new username, enter: INCIDENT VIEW 96 Enhancing Data Loss Prevention with Integrations Copyright © 2019 Symantec Corporation. All Rights Reserved After the successful execution of the @create incident access user script, the screen should display something similar to the
following: Profile altered. User created. User altered. Us
Incident Data View Setup Script After the Incident Data View user is configured, a setup script is run to create the actual incident data views in the C:\Training Files\SQL directory, then enter the following command
sqlplus /nolog The SQL> prompt should now be shown, along with the Oracle database version information. 2. At the SQL> prompt, enter: protect 5. When prompted for the Enforce schema password, enter: protect 6. When prompted for the Enforce schema password, enter: protect 5. When prompted for the Enforce schema password, enter: protect 6. When prompted for the Enforce schema password, enter: protect 6. When prompted for the Enforce schema password, enter: protect 6. When prompted for the Enforce schema password, enter: protect 6. When prompted for the Enforce schema password, enter: protect 6. When prompted for the Enforce schema password, enter: protect 6. When prompted for the Enforce schema password, enter: protect 6. When prompted for the Enforce schema password, enter: protect 6. When prompted for the Enforce schema password, enter: protect 6. When prompted for the Enforce schema password, enter: protect 6. When prompted for the Enforce schema password, enter: protect 6. When prompted for the Enforce schema password, enter: protect 6. When prompted for the Enforce schema password, enter: protect 6. When prompted for the Enforce schema password, enter: protect 6. When prompted for the Enforce schema password and passw
for the Incident Access schema username, enter: INCIDENT VIEW 7. When prompted for the execution of the exec
created. End of exercise 98 Enhancing Data Loss Prevention with Integrations Copyright © 2019 Symantec Corporation. All Rights Reserved Exercise 3: Verify Incident Data Views Creation After running the User Creation and Setup scripts, it is important to verify that the incident Data Views Were created successfully. Estimated exercise time: 3
minutes Steps: Login to: Enforce 1. At the command prompt, from the C:\Training Files\SQL directory, enter the following command: sqlplus INCIDENT_VIEW/[email protected] The SQL> prompt, enter: select VIEW_NAME from USER_VIEWS; (Note
that the semi-colon is required here.) Various rows are returned with the VIEW NAME header and the related view name. These view names will be used to query incident data from the database. 3. To return to the Windows command prompt, enter the following command: exit End of exercise 3: Verify Incident Data Views Creation
Copyright © 2019 Symantec Corporation. All Rights Reserved 99 Exercise 4: Use Incident Data Views After successfully executing the User Creation and Setup scripts and verifying that the views are working, it is time to query the database using the Incident Data Views enable an administrator to produce highly customized
reporting by using the configured views and SQL queries. Due to the complexity of these SQL queries have been created and included for the sake of time. Estimated exercise time: 5 minutes Steps: Login to: Enforce 1. From the taskbar, open Oracle SQL Developer by clicking the 2. After loading, locate the PROTECT node under
Connections on the left side of the screen., then rightclick PROTECT and select Connect. 3. In the Query Builder window in the center, type in SELECT * FROM DETECTIONRULE; (The semicolon is required.) 4. Push the green 'play' button above the guery window (the tooltip reads 'Run Statement'). 5. Review the resulting table with the response
rules defined in the system. 6. Open the PROTECT node on the left side, then open the Views node underneath it. 7. All the other view names are listed here under the SELECT * FROM [View Name]; 8. In the bottom left subwindow under
the "Reports" heading, expand the User Defined Reports folder. 9. Click the Network Incidents report. 10. Verify that PROTECT is listed in the Connection with Integrations Copyright © 2019 Symantec Corporation. All Rights Reserved
12. OPTIONAL: Execute the Discover Incidents or Endpoint Incidents or Endpoint Incidents reports and review the data that is returned. 13. OPTIONAL: For each report, review the associated SQL query that is executed. Queries are located in C:\Training Files\SQL\IDV Queries. End of exercise Exercise 4: Use Incident Data Views 101 Copyright © 2019 Symantec
Corporation. All Rights Reserved Exercise 5: Create ICT Tag Policy for File Discovery Scenario: Adding a Information-Centric Tagging (ICT) server to the Data Loss Prevention system allows users to discover and identify files with directly in the Corporation. All Rights Reserved Exercise 5: Create ICT Tag Policy for File Discovery Scenario: Adding a Information-Centric Tagging (ICT) server to the Data Loss Prevention system allows users to discover and identify files with directly in the Corporation and ICT server to the Data Loss Prevention system allows users to discover and identify files with directly in the Corporation and ICT server to the Data Loss Prevention system allows users to discover and identify files with directly in the Corporation and ICT server to the Data Loss Prevention system allows users to discover and identify files with directly in the Corporation and ICT server to the Data Loss Prevention system allows users to discover and identify files with directly in the Corporation and ICT server to the Data Loss Prevention system allows users to discover and ICT server to the Data Loss Prevention system allows users to discover and ICT server to the Data Loss Prevention system allows users to discover and ICT server to the Data Loss Prevention system and ICT server to the Data Loss Prevention system and ICT server to the Data Loss Prevention system and ICT server to the Data Loss Prevention system and ICT server to the Data Loss Prevention system and ICT server to the Data Loss Prevention system and ICT server to the Data Loss Prevention system and ICT server to the Data Loss Prevention system and ICT server to the Data Loss Prevention system and ICT server to the Data Loss Prevention system and ICT server to the Data Loss Prevention system and ICT server to the Data Loss Prevention system and ICT server to the Data Loss Prevention system and ICT server to the Data Loss Prevention system and ICT server to the Data Loss Prevention system and ICT server to the Data Loss Prevention system and ICT s
this lab environment, we can work with files and tag taxonomies that have already been defined and imported into this environment. In this exercise, we will link a tag XML taxonomy file to the Enforce server so it recognizes a defined body of tags which can be used for discovery scans and policy enforcement. Then we will create a policy that looks
for those tags. Estimated exercise time: 10 minutes Steps: Login to: Enforce 1. In the Enforce web UI, browse to System > Settings > Information Centric Tagging. 2. Click the Edit link on the top right. 3. Select dlpscan from the Service URL field. 5.
Click Save on the top right. You should see a popup saying "ICT connection setting successfully updated". (If you get an error, check the URL again for typos.) 6. Click the Sync Now button. A new list of tags should appear at the bottom of the screen. 7. Review the list of tags. These are the tags created by the ICT server and now available in DLP for
detection and response. 8. In the Enforce web UI, browse to Manage > Policies > Policy List. 9. Click New to create a new policy. 10. Select Add a blank policy and click Next. 102 Enhancing Data Loss Prevention with Integrations Copyright © 2019 Symantec Corporation. All Rights Reserved 11. In the Name field, enter Information Centric Tagging
(DCM). 12. Set the Policy Group field to Classification area. 14. Select Content Matches Classification from the list of Rule Types. 15. Set the Rule Name field to Info. 17. Under Conditions, select the Content matches options, then set the four drop-down fields
to: Equals > ACME > ISO 27000 > (1) Public. 18. Click OK on top. 19. Click Add Rule again. 20. Select Content Matches Classification from the list of Rule Types. 21. Set the Rule Name field to ICT ISO 27000 Internal Use. 22. Set the Severity field to Medium. 23. Under Conditions, select the Content matches options, then set the four drop-down
fields to: Equals > ACME > ISO 27000 > (3) Internal Use. 24. Click OK on top. 25. Click Add Rule again. 26. Select Content Matches Classification from the list of Rule Types. 27. Set the Rule Name field to ICT ISO 27000 Confidential. 28. Set the Severity field to High. 29. Under Conditions, select the Content matches options, then set the four drop-
down fields to: Equals > ACME > ISO 27000 > (8) Confidential. 30. Click OK on top. 31. Click Save to save the new policy. End of exercise Exercise 5: Create ICT Tag Policy for File Discovery Copyright © 2019 Symantec Corporation. All Rights Reserved 103 Exercise 6: Scan for File Tags using Network Discovery Copyright © 2019 Symantec Corporation.
and related policy has been added to the system, you are now free to include these tag classifications in your discovery scans. In this exercise, you will look for files on endpoint computers that are tagged as "restricted" or "confidential". Estimated exercise time: 5 and will be especially concerned with files on endpoint computers that have been tagged with ISO-27000 tags, and will be especially concerned with files on endpoint computers that have been tagged with ISO-27000 tags.
minutes Steps: Login to: Enforce 1. Navigate to Manage > Discover Scanning > Discover 
Credentials option and select "dlpscan" from the drop down. 7. Under Content Roots, ensure Specify Content Roots is selected. 8. Click Add Content Roots is selected. 
discovered in the content root enumeration scan completed in a previous lab exercise. 10. Select all content roots in the list EXCEPT for \entographic Save on top when finished. 104 Enhancing Data Loss Prevention with Integrations
Copyright © 2019 Symantec Corporation, All Rights Reserved 12. On the next screen, select ICT Scan using the checkbox next to it, and push Start Scan, 13. Under the "Scan Status" column heading, click the Starting link, 14. Using the Enforce console's Refresh button, refresh the page every 30 seconds until the scan is complete, 15. After the scan
has completed, click the Completed link under the "Scan Statistics" heading and next to Current Incidents (should be 5). 18. Review the list of incidents on the next screen
Note: The scan should have discovered all five files that were tagged with ISO-27000 by the ICT server. The severity of each incident is determined by the secondary tags accompanying the ISO-27000 by the ICT server. The severity of each incident is determined by the secondary tags accompanying the ISO-27000 by the ICT server. The severity of each incident is determined by the secondary tags accompanying the ISO-27000 by the ICT server.
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