Generating Compliance Service Reports

Communicate the compliance status of your RHEL infrastructure to security stakeholders
Communicate the compliance status of your RHEL infrastructure to security stakeholders
Abstract

Generate a variety of reports to communicate to enterprise security auditors the security-policy compliance status of your RHEL environment.
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MAKING OPEN SOURCE MORE INCLUSIVE

Red Hat is committed to replacing problematic language in our code, documentation, and web properties. We are beginning with these four terms: master, slave, blacklist, and whitelist. Because of the enormity of this endeavor, these changes will be implemented gradually over several upcoming releases. For more details, see our CTO Chris Wright’s message.
PROVIDING FEEDBACK ON RED HAT HYBRID CLOUD CONSOLE DOCUMENTATION

We appreciate your input on our documentation. Please let us know how we could make it better. To do so, create a Bugzilla ticket:

1. Go to the Bugzilla website.
2. As the Component, use Documentation.
3. Fill in the Description field with your suggestion for improvement. Include a link to the relevant part(s) of documentation.
4. Click Submit Bug.
CHAPTER 1. OVERVIEW OF INSIGHTS FOR RHEL COMPLIANCE SERVICE REPORTS

The compliance service enables users to export granular data based on filters in place at the time of export. Exporting a compliance report requires the following actions:

- Uploading current OpenSCAP results
- Filtering your view in the compliance service
- Exporting to CSV or JSON file and saving your download
CHAPTER 2. UPLOADING CURRENT OPENSCAP DATA FOR YOUR SYSTEM

The compliance service presents data from OpenSCAP scans. Whether you are using the compliance service to view system compliance status, remediate issues, or report on results, ensure that you are seeing current data by uploading the latest system data from OpenSCAP before continuing with other procedures.

Procedure

1. Run the following command to upload current data from OpenSCAP:

   [root@server ~]# insights-client --compliance
CHAPTER 3. EXPORTING A COMPLIANCE REPORT FOR SELECTED SYSTEMS

Perform the following steps to export a compliance report showing CVEs impacting your systems, based on filtering in place at the time of export.

3.1. EXPORTING A REPORT FOR A SINGLE POLICY

Perform the following steps to export a compliance report for a single policy.

Procedure

1. Navigate to the Red Hat Enterprise Linux > Compliance > Reports tab and log in if necessary.
2. Click on the policy to view the report.
3. Apply filters as needed to refine results.
4. Click View policy for more detailed information such as compliance threshold and business objective.
5. At the top of the systems list, click the download icon to the right of the Remediate button and select Export to CSV or Export to JSON, based on your export preferences.
6. Choose to open or save the file. Then click OK.

3.2. EXPORTING A REPORT FOR SELECTED SYSTEMS

Perform the following steps to export a compliance report for selected systems.

Procedure

1. Navigate to Red Hat Enterprise Linux > Compliance > Systems and log in if necessary.
2. Apply filters as needed to refine results.
3. Select the systems you want to see in the report by checking the box next to each system name.
4. At the top of the systems list, click the download icon and select Export to CSV or Export to JSON, based on your export preferences.
5. Choose to open or save the file. Then click OK.
CHAPTER 4. POLICY REPORTS

The Insights for RHEL compliance service enables you to create PDF reports for individual policies to share with stakeholders, such as your compliance team or auditors.

Reports include the following information:

- Policy details: policy type, operation system, compliance threshold, and business objective.
- Percentage of systems in compliance with the policy.
- Numbers of non-compliant and compliant systems.
- Non-compliant system information. You can select to include compliant systems when creating the report.
- List of top 10 failed rules: the most severe failed rules, along with the greatest number of failed systems for each rule, are ranked at the top.

4.1. CREATING A PDF REPORT FOR A POLICY

Perform the following steps to download a PDF report for a security policy.

Prerequisites

- You must be logged in to the Red Hat Hybrid Cloud Console.
- Policy reports are point-in-time reporting. Red Hat recommends uploading your latest system data to Insights for RHEL before creating a policy report in the compliance service.

Procedure

1. Optionally run `insights-client --compliance` on your systems to scan them and upload current data to the compliance service.
2. Navigate to Red Hat Enterprise Linux > Compliance > Reports.
3. Locate the policy for which to create the report.
4. Click the download icon on the far right of the same row as the policy name.

   **NOTE**
   
   You can also click on the policy name and click Download PDF in the upper right of the page.

5. In the Compliance report modal dialog, make selections for system data to include.
6. Make selections for rule data to include.
7. Optionally, add user notes.
8. Click Export report.
CHAPTER 5. REFERENCE MATERIALS

To learn more about the compliance service, see the following resources:

- *Assessing and Monitoring Security-Policy Compliance of RHEL Systems*
- *Remediating Security-Policy Compliance issues using Ansible Playbooks*
- *Insights for Red Hat Enterprise Linux Documentation*
- *Insights for Red Hat Enterprise Linux Product Support page*