Remediating Configuration Issues Using Advisor and Ansible Playbooks

Create playbooks in the advisor service to run with your Ansible workflow
Red Hat Insights 2022 Remediating Configuration Issues Using Advisor and Ansible Playbooks

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Abstract
Create Ansible Playbooks to automate remediation of issues identified by the advisor service.
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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.
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.
The advisor service helps you resolve issues on Red Hat Enterprise Linux (RHEL) systems by providing resolution steps for each recommendation, tailored to each system. You can then remediate issues manually or create Ansible Playbooks to automate resolution procedures.
CHAPTER 2. MANUALLY REMEDIATING ADVISOR RECOMMENDATIONS

The advisor service provides users with the steps to resolve issues manually for each rule/system pairing.

Procedure

1. Navigate to the Red Hat Enterprise Linux > Advisor > Systems page and log in if necessary.

2. Locate and select the system on which to resolve the recommendations.

3. Locate and select the recommendation to resolve.

4. Expand the description, scroll past Detected issues, and view the specific Steps to resolve the recommendation on that system.

5. Follow the Steps to resolve to remediate the issue on the system.
CHAPTER 3. CREATING ANSIBLE PLAYBOOKS TO AUTOMATE REMEDIATIONS

Users of the advisor service can create Ansible Playbooks to automate the remediation of recommendations.

**NOTE**

Look for an Ansible icon, which indicates whether there is a playbook available for a specific rule + system pairing. A blue Ansible icon indicates that a playbook is available. A grey icon with a line through it indicates that a playbook is not available.

The following procedure creates a playbook to remediate an individual recommendation on systems impacted by it.

**Procedure**

1. Navigate to Red Hat Enterprise Linux > Advisor > Recommendations and log in if necessary.
2. Locate and click on the recommendation to resolve.
3. In the Affected systems list, check the box next to each system you want to add to the playbook.
4. Click Remediate.
5. Select whether to add the remediations to an existing or new playbook and take the following action:
   a. Click Existing Playbook and select the desired playbook from the dropdown list, OR
   b. Click Create new Playbook and add a playbook name.
   c. Click Next.
6. Review the information in the summary.
   a. Scroll to the bottom of the summary and toggle Auto Reboot if available and desired.
   b. Click Create.

**Verification steps**

1. Select Remediations in the Insights for Red Hat Enterprise Linux services menu.
2. Locate the playbook you just created and check the box next to it.
3. Download the playbook using the Download playbook link.

### 3.1. CREATING ANSIBLE PLAYBOOKS TO REMEDIATION MULTIPLE RECOMMENDATIONS ON AN INDIVIDUAL SYSTEM

Users of the advisor service can create Ansible Playbooks to automate the remediation of recommendations.
NOTE

Look for an Ansible icon, which indicates whether there is a playbook available for a specific rule + system pairing. A blue Ansible icon indicates that a playbook is available. A grey icon with a line through it indicates that a playbook is not available.

Procedure

1. Navigate to Red Hat Enterprise Linux > Advisor > Systems and log in if necessary.

2. Locate and select the system for which to create the playbook.

3. Click the check box next to each recommendation you want to resolve.

4. Click Remediate.

5. Select whether to add the remediations to an existing or new playbook and take the following action:
   a. Click Existing Playbook and select the desired playbook from the dropdown list, OR
   b. Click Create new Playbook and add a playbook name.
   c. Click Next.

6. Review the information in the summary.
   a. Scroll to the bottom of the summary and toggle Auto Reboot if available and desired.
   b. Click Create.
CHAPTER 4. REFERENCE MATERIALS

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

- Assessing Red Hat Enterprise Linux (RHEL) Configuration Issues Using Red Hat Insights
- Generating Advisor Service Reports
- Insights for Red Hat Enterprise Linux Documentation
- Insights for Red Hat Enterprise Linux Product Support page