



## Red Hat Insights 2023

# Remediating Configuration Issues Using Advisor and Ansible Playbooks

Create playbooks in the advisor service to run with your Ansible workflow



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## Abstract

Create Ansible Playbooks to automate remediation of issues identified by the advisor service. 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 .

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# CHAPTER 1. OVERVIEW OF INSIGHTS FOR RED HAT ENTERPRISE LINUX ADVISOR SERVICE REMEDIATIONS

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 Red Hat 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](#)
- [Red Hat Insights for Red Hat Enterprise Linux Documentation](#)
- [Red Hat Insights for Red Hat Enterprise Linux Product Support page](#)

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