Red Hat Ansible Automation Platform
2.4

Red Hat Ansible Automation Platform Release Notes

New features, enhancements, and bug fix information
Red Hat Ansible Automation Platform 2.4 Red Hat Ansible Automation Platform Release Notes

New features, enhancements, and bug fix information
Abstract

This guide provides a summary of new features, enhancements, and bug fix information for Red Hat Ansible Automation Platform.
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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.
If you have a suggestion to improve this documentation, or find an error, please contact technical support at https://access.redhat.com to create an issue on the Ansible Automation Platform Jira project using the docs-product component.
CHAPTER 1. OVERVIEW

Red Hat Ansible Automation Platform simplifies the development and operation of automation workloads for managing enterprise application infrastructure lifecycles. It works across multiple IT domains including operations, networking, security, and development, as well as across diverse hybrid environments. Simple to adopt, use, and understand, Red Hat Ansible Automation Platform provides the tools needed to rapidly implement enterprise-wide automation, no matter where you are in your automation journey.

1.1. WHAT’S INCLUDED IN ANSIBLE AUTOMATION PLATFORM

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1.2. RED HAT ANSIBLE AUTOMATION PLATFORM LIFE CYCLE

Red Hat publishes a product life cycle page that identifies the levels of maintenance for each Ansible Automation Platform release. Refer to Red Hat Ansible Automation Platform Life Cycle.

1.3. UPGRADING ANSIBLE AUTOMATION PLATFORM

Use the installer to perform upgrades to maintenance versions of Ansible Automation Platform. The installer performs all necessary actions required to upgrade to the latest versions of Ansible Automation Platform, including automation controller and private automation hub.

IMPORTANT

Do not use yum update to run upgrades. Use the installer instead.

Additional resources

- Refer to the table in What’s included in Ansible Automation Platform for information on maintenance releases of Ansible Automation Platform.

- For more information on upgrading your Ansible Automation Platform, see the Red Hat Ansible Automation Platform Upgrade and Migration Guide.

- For procedures related to using the Ansible Automation Platform installer, see the Ansible Automation Platform Installation Guide.
CHAPTER 2. ANSIBLE AUTOMATION PLATFORM 2.4

Red Hat Ansible Automation Platform simplifies the development and operation of automation workloads for managing enterprise application infrastructure lifecycles. It works across many IT domains including operations, networking, security, development, and across diverse hybrid environments. Simple to adopt, use, and understand, Red Hat Ansible Automation Platform provides the tools needed to rapidly implement enterprise-wide automation, no matter where you are in your automation journey.

2.1. NEW FEATURES AND ENHANCEMENTS

This release of Ansible Automation Platform features the following enhancements:

- Before this update, the execution environment container images were based on RHEL 8 only. With Ansible Automation Platform 2.4 onwards, the execution environment container images are now also available on RHEL 9. The execution environment includes the following container images:
  - ansible-python-base
  - ansible-python-toolkit
  - ansible-builder
  - ee-minimal
  - ee-supported

- The ansible-builder project recently released Ansible Builder version 3, a much-improved and simplified approach to creating execution environments. You can use the following configuration YAML keys with Ansible Builder version 3:
  - additional_build_files
  - additional_build_steps
  - build_arg_defaults
  - dependencies
  - images
  - options
  - version

For more information about using Ansible Builder version 3, see Ansible Builder Documentation and Execution Environment Setup Reference.

- Ansible Automation Platform 2.4 and later versions can now be run on ARM platforms, including both the control plane and the execution environments.

- Added an option to configure the SSO logout URL for automation hub if you need to change it from the default value.

- Updated the ansible-lint RPM package to version 6.14.3.

- Updated Django for potential denial-of-service vulnerability in file uploads (CVE-2023-24580).
- Updated sqlparse for ReDOS vulnerability (CVE-2023-30608).
- Updated Django for potential denial-of-service in Accept-Language headers (CVE-2023-23969).
- Ansible Automation Platform 2.4 adds the ability to install automation controller, automation hub, and Event-Driven Ansible on IBM Power (ppc64le), IBM Z (s390x), and IBM® LinuxONE (s390x) architectures.

2.2. DEPRECATED AND REMOVED FEATURES

Some features available in earlier releases have been deprecated or removed. Deprecated functionality is still included in Ansible Automation Platform and continues to be supported. However, it will be removed in a future release of this product and is not recommended for new deployments.

The following is a list of major functionality deprecated and removed within Ansible Automation Platform 2.4:

- On-premise component automation services catalog is now removed from Ansible Automation Platform 2.4 onwards.
- With the Ansible Automation Platform 2.4 release, the execution environment container image for Ansible 2.9 (**ee-29-rhel-8**) is no longer loaded into the Automation Controller configuration by default.
- Although you can still synchronize content, the use of synclists is deprecated and will be removed in a later release. Instead, private automation hub administrators can upload manually-created requirements files from the **rh-certified** remote.
- You can now configure the Controller Access Token for each resource with the **connection_secret** parameter, rather than the old **tower_auth_secret** parameter. This change is compatible with earlier versions, but the **tower_auth_secret** parameter is now deprecated and will be removed in a future release.
- Smart inventories have been deprecated in favor of constructed inventories and will be removed in a future release.

2.3. BUG FIXES

The following bugs were fixed in this release of Ansible Automation Platform:

- The installer now ensures that collection auto signing cannot be enabled without enabling the collection signing service.
- Fixed an issue with restoring backups when the installed automation controller version is different from the backup version.
- Fixed an issue with not adding user defined galaxy-importer settings to **galaxy-importer.cfg** file.
- Added missing **X-Forwarded-For** header information to nginx logs.
- Removed unnecessary receptor peer name validation when IP address is used as the name.
- Updated the **outdated base_packages.txt** file that is included in the bundle installer.
• Fixed an issue where upgrading the Ansible Automation Platform did not update the nginx package by default.

• Fixed an issue where an awx user was created without creating an awx group on execution nodes.

• Fixed the assignment of package version variable to work with flat file inventories.

• Added a FQDN check for the automation hub hostname required to run the Skopeo commands.

• Fixed an issue such that the front end URL for Red Hat Single Sign On (SSO) is now properly configured after you specify the sso_redirect_host variable.

• Fixed the variable precedence for all component nginx_tls_files_remote variables.

• Fixed the setup.sh script to escalate privileges if necessary for installing Ansible Automation Platform.

• Fixed an issue when restoring a backup to an automation hub with a different hostname.

2.4. TECHNOLOGY PREVIEW

Some features in this release are currently classified as Technology Preview. Technology Preview features offer early access to upcoming product features, enabling customers to test functionality and give feedback during the development process. Note that Red Hat does not recommend using Technology Preview features for production, and Red Hat SLAs do not support Technology Preview functions.

The following are Technology Preview features:

• Starting with Ansible Automation Platform 2.4, the Platform Resource Operator can be used to create the following resources in automation controller by applying YAML to your OpenShift cluster:
  ○ Inventories
  ○ Projects
  ○ Instance Groups
  ○ Credentials
  ○ Schedules
  ○ Workflow Job Templates
  ○ Launch Workflows

One notable change is that you can now configure the Controller Access Token for each resource with the connection_secret parameter, rather than the old tower_auth_secret parameter. This change is compatible with earlier versions, but the tower_auth_secret parameter is now deprecated and will be removed in a future release.

Additional resources

• For the most recent list of Technology Preview features, see Ansible Automation Platform - Preview Features.
- For more information about support for Technology Preview features, see Red Hat Technology Preview Features Support Scope.

- For information regarding execution node enhancements on OpenShift deployments, see Managing Capacity With Instances.
CHAPTER 3. AUTOMATION CONTROLLER

Automation controller provides a standardized way to define, operate and delegate automation across the enterprise. It also introduces new, exciting technologies and an enhanced architecture that enables automation teams to scale and deliver automation rapidly to meet ever-growing business demand.

See Automation Controller Release Notes for 4.x for a full list of new features and enhancements.
CHAPTER 4. EVENT-DRIVEN ANSIBLE

Event-Driven Ansible is the newest capability of Ansible Automation Platform that is designed to enable automated response with user-defined, rules-based workflows. Event-Driven Ansible works by receiving events from third party tools, deciding on the actions to take, and acting automatically.

Event-Driven Ansible is included in Ansible Automation Platform, making the platform even more capable as a single enterprise automation solution. Using Event-Driven Ansible, domain experts can easily create end-to-end fully automated Ops As Code scenarios for a broad array of use cases across the IT landscape. By eliminating high-volume routine tasks and automatically responding to changing conditions, teams are free to innovate more efficiently, and act consistently and accurately at scale.

Known issues

- Both contributor and editor roles cannot set the AWX token. The AWX token can be set by users with administrator roles only.
- Activation-job pods do not have request limits.
- The onboarding wizard does not request a controller token creation.
- Users cannot filter through a list of tokens under the Controller Token tab.
- Only the users with administrator rights can set or modify their passwords.
- If there is a failure, an activation with restart policy set to Always is unable to restart the failed activation.
- Disabling and enabling an activation causes the restart count to increase by one count. This behavior results in an incorrect restart count.
- Podman pods must be executed with memory limits.
- Long running activations with loads of events can cause an out of disk space issue.
- Users can add multiple tokens even when only the first AWX token is used.
- A race condition occurs when creating and rapidly deleting an activation causes multiple errors.
- When users filter any list, only the items that are on the list get filtered.
- When ongoing activations start multiple jobs, a few jobs are not recorded in the audit logs.
- When a job template fails, a few key attributes are missing in the event payload.
- Restart policy in a Kubernetes deployment does not restart successful activations that are marked as failed.
- An incorrect status is reported for activations that are disabled or enabled.
- If the run_job_template action fails, the rule is not counted as executed.
- RHEL 9.2 activations cannot connect to the host.
- Restarting the Event-Driven Ansible server can cause activation states to become stale.
• Bulk deletion of rulebook activation lists is not consistent, and the deletion can be either successful or unsuccessful.

• When users access the detail screen of a rule audit, the related rulebook activation link is broken.

• Certain characters, such as hyphen (-), forward slash (/), and period (.), are not supported in the event keys. Resolved in bundle installer release 2.4-3.

• When there are more activations than available workers, disabling the activations incorrectly shows them in running state. Resolved in bundle installer release 2.4-3.

• Event-Driven Ansible activation pods are running out of memory on RHEL 9. Resolved in bundle installer release 2.4-3.

• When all workers are busy with activation processes, other asynchronous tasks are not executed, such as importing projects. Resolved in bundle installer release 2.4-3.
CHAPTER 5. AUTOMATION HUB

Automation hub allows you to discover and use new certified automation content from Red Hat Ansible and Certified Partners. On Ansible automation hub, you can discover and manage Ansible Collections, which is supported automation content developed by both partners and Red Hat for use cases such as cloud automation, network automation, security automation, and more.

New features and enhancements

- This release of automation hub provides repository management functionality. With repository management, you can create, edit, delete, and move content between repositories.

Bug fixes

- Fixed an issue in the collection keyword search which was returning an incorrect number of results.
- Added the ability to set OPT_REFERRALS option for LDAP, so that users can now successfully log in to the automation hub by using their LDAP credentials.
- Fixed an error on the UI when redhat.openshift collection’s core dependency was throwing a 404 Not Found error.
- Fixed an error such that the deprecated execution environments are now skipped while syncing with registry.redhat.io.
CHAPTER 6. AUTOMATION PLATFORM OPERATOR

Ansible Automation Platform Operator provides cloud-native, push-button deployment of new Ansible Automation Platform instances in your OpenShift environment.

Bug fixes

- Enabled configuration of resource requirements for automation controller `init` containers.
- Added `securityContext` for Event-Driven Ansible Operator deployments to be Pod Security Admission compliant.
- Resolved error **Controller: Error 413 Entity too large** when doing bulk updates.
- Ansible token is now obfuscated in YAML job details.
CHAPTER 7. ANSIBLE AUTOMATION PLATFORM DOCUMENTATION

The documentation set for Red Hat Ansible Automation Platform 2.4 has had significant updates to improve the experience for our customers and the Ansible community.

New features and enhancements

- With the removal of the on-premise component automation services catalog from Ansible Automation Platform 2.4 onwards, all automation services catalog documentation is removed from the Ansible Automation Platform 2.4 documentation.

- The following documents are created to help you install and use Event-Driven Ansible, the newest capability of Ansible Automation Platform:
  - Getting Started with Event-Driven Ansible
  - Event Driven Ansible User Guide

In addition, sections of the Ansible Automation Platform Planning Guide and the Ansible Automation Platform Installation Guide are updated to include instructions for planning and installing Event-Driven Ansible.

- The automation hub documentation has had significant reorganization to combine the content spread across 9 separate documents into the following documents:
  
  **Getting started with automation hub**
  
  Use this guide to perform the initial steps required to use Red Hat automation hub as the default source for Ansible collections content.

  **Managing content in automation hub**

  Use this guide to understand how to create and manage collections, content and repositories in automation hub.

  **Red Hat Ansible Automation Platform Installation Guide**

  Use this guide to learn how to install Ansible Automation Platform based on supported installation scenarios.

- The Managing Red Hat Certified and Ansible Galaxy collections in automation hub guide has been moved to the Red Hat Certified, validated, and Ansible Galaxy content in automation hub topic in the Managing content in automation hub guide.

- The Ansible Automation Platform 2.4 Release Notes are restructured to improve the experience for our customers and the Ansible Community. Users can now view the latest updates based on the Ansible Automation Platform versions, instead of their release timeline.

- The topic Repository management with automation hub is created to help you create and manage custom repositories in automation hub. This topic is found in the Managing content in automation hub guide.
CHAPTER 8. ASYNCHRONOUS UPDATES

8.1. BUNDLE INSTALLER RELEASE 2.4-3 - NOVEMBER 28, 2023

Red Hat Errata Advisory

8.1.1. Ansible Automation Platform

Security fixes

- receptor: golang: crypto/tls: panic when processing post-handshake message on QUIC connections (CVE-2023-39321).
- receptor: golang: crypto/tls: lack of a limit on buffered post-handshake (CVE-2023-39322).

Bug fixes

- Fixed an ansible-lint compatibility issue with ansible-core.
- Receptor now cleans up timed out connections.

8.1.2. Ansible Builder

New features and enhancements

- Updated the default package manager to microdnf instead of dnf.

8.1.3. Automation controller

New features and enhancements

- Added a setting to enable the queuing for Rsyslog to handle higher work volumes (LOG_AGGREGATOR_ACTION_MAX_DISK_USAGE_GB).
- Updated API endpoints to only show the product version header when the requester is authenticated.

Bug fixes

- Fixed wrelay connection in IPv6 environments (OpenShift clusters) so that it no longer fails to make connections.
- Fixed a bug that prevented the dispatcher from exiting when the database failed.

8.1.4. Event-Driven Ansible

New features and enhancements

- Enhanced the conditions to support non alpha numeric keys, using the square bracket syntax.
- Added the ability to turn off autocomplete on the Event-Driven Ansible login screen.
- Added support for running workflow templates in the Controller as one of the actions. The action is `run_workflow_template`. For more information about the `run_workflow_template` action, see Actions - `run_workflow_template`.

- Added a separate worker queue for Event-Driven Ansible activations to not interfere with application tasks such as project updates.

- Improved the error messages received when an error occurs updating projects so they are easier to understand.

- Improved the management of workers with a standalone RQ scheduler.

- Added a new field at the ruleset level called `match_multiple_rules` that is false by default (or when the attribute is missing). This value can be set to true which will allow for multiple rule matching.

**Bug fixes**

- Fixed the automation controller URL check when installing Event-Driven Ansible without controller.

- Fixed a bug where the controller URL was not being set when running the workflow template. The controller URL is now set for both the workflow template and job template.

- Added the ability to skip SSL verification when syncing a Git project.

- Updated the Controller job URL for the workflow template to point to the correct job.

- Fixed a bug where sometimes an activation was set as `failed` when it should be stopped.

- Fixed a bug where only the first event was displayed when a fact matches multiples rules.

- Fixed a bug where `Fired count` and `Number of rules` had incorrect values.

- Updated the help text on the **Variables** field.

- Fixed a bug where ports for the source were not exposed correctly.

- Fixed a bug where activations reported an incorrect state when the workers were not running.

- Fixed an issue where background tasks were executed 60 seconds later than the scheduled time.

- Fixed a bug where audit event timestamps were incorrectly sorted.

- Fixed an unhandled exception that occurred when the request did not contain valid JSON.

- Fixed a bug that occurred when a long-running activation on OpenShift Container Platform was incorrectly marked as failed.

- Fixed a 401 error response from AWX when port 443 was present in the controller URL.

- Fixed a bug where ansible-rulebook would shutdown before it created an audit rule record.

- Fixed a bug where editing a project to add a credential was not working.

- Fixed a bug where the `restarted_at` field was missing in the activation view.
• Fixed a bug where restarting a running activation in OpenShift Container Platform resulted in unexpected behavior.

• Added name and status filters to the /activations/{id}/instances endpoint.

• Fixed a bug where deleting an activation caused an error.

• Fixed a bug where the status of activations waiting for available workers was set to failed when it should have been set to pending.

• Fixed a bug where the activation’s status was set incorrectly in OpenShift Container Platform when the activation workers were exhausted.

• Fixed a bug where an audit rule with multiple actions was marked as successful when one of the actions failed.

• Fixed a bug where the rule’s Fire count would take 5 minutes to update.

• Updated session stats to be sent when a rule fires in addition to being sent at timed intervals.

• Fixed a bug that caused intermittent race conditions when deactivating activations.

• Updated the welcome title in the Event-Driven Ansible UI.

• Added a help message for the Image field in the Create Decision Environment form.

• Added a check for a rulebook’s existence before running an activation.

• Implemented bracket accessors for conditions to enable certain characters that are not supported for event keys with dot notation.

• Fixed a bug where Event-Driven Ansible activation pods were receiving out of memory errors on RHEL 9.

• Fixed a bug where activations got stuck in a running state after disabling the activation when there were more activations than workers.

• Fixed a bug where busy workers prevented other asynchronous tasks.

8.2. BUNDLE INSTALLER RELEASE 2.4-2.4 - NOVEMBER 08, 2023

Red Hat Errata Advisory

8.2.1. Ansible Automation Platform

New features and enhancements

• python3-urllib3/python39-urllib3 has been updated to 1.26.18.

Security fixes

• python3-urllib3/python39-urllib3: Cookie request header is not stripped during cross-origin redirects (CVE-2023-43804).

8.2.2. Automation controller
New features and enhancements

- automation-controller has been updated to 4.4.7.

Security fixes


Bug fixes

- Customers using the infra.controller_configuration collection (which uses ansible.controller collection) to update their Ansible Automation Platform environment no longer receive an HTTP 499 response.

8.3. BUNDLE INSTALLER RELEASE 2.4-2.3 - OCTOBER 19, 2023

Red Hat Errata Advisory

8.3.1. Ansible Automation Platform

New features and enhancements

- receptor has been updated to 1.4.2.

Security fixes

- receptor: golang: net/http, x/net/http2: rapid stream resets can cause excessive work [CVE-2023-44487] (CVE-2023-39325)
- receptor: HTTP/2: Multiple HTTP/2 enabled web servers are vulnerable to a DDoS attack (Rapid Reset Attack) (CVE-2023-44487)
- receptor: golang: crypto/tls: slow verification of certificate chains containing large RSA keys (CVE-2023-29409)

8.4. BUNDLE INSTALLER RELEASE 2.4-2.2 - OCTOBER 17, 2023

Red Hat Errata Advisory

8.4.1. Ansible Automation Platform

New features and enhancements

- ansible-core has been updated to 2.15.5.
- python3-django/python39-django has been updated to 3.2.22.
- galaxy-importer has been updated to 0.4.13.
- Updated amazon.aws collection to 6.4.0 in ee-supported.

Security fixes
ansible-core: malicious role archive can cause ansible-galaxy to overwrite arbitrary files (CVE-2023-5115)

don3-django/python39-django: Denial-of-service possibility in django.utils.text.Truncator (CVE-2023-43665)

Bug fixes

• Fixed ansible-compat dependency issue with ansible-lint.

8.4.2. Automation controller

New features and enhancements

• automation-controller has been updated to 4.4.6.

• Added a new Subscription Usage page to the controller UI to view historical usage of licenses.

Security fixes

• automation-controller: Django: Potential denial of service vulnerability in django.utils.encoding.uri_to_iri() (CVE-2023-41164)

8.5. BUNDLE INSTALLER RELEASE 2.4-2.1 - OCTOBER 10, 2023

Red Hat Errata Advisory

8.5.1. Ansible Automation Platform

New features and enhancements

• Updated amazon.aws certified collection to 6.4.0.

Bug fixes

• Fixed ansible-compat dependency issue with ansible-lint.

8.5.2. Automation controller

New features and enhancements

• automation-controller has been updated to 4.4.5.

Bug fixes

• Fixed settings lookup to no longer leave some services in a supervisord FATAL unresponsive state.

• Replaced the SQL commands for creating a partition with the use of ATTACH PARTITION to avoid exclusive table lock on event tables.

• Fixed settings to allow simultaneous use of SOCIAL_AUTH_SAML_ORGANIZATION_ATTR and SOCIAL_AUTH_SAML_ORGANIZATION_MAP for a given organization.
• Fixed Content Security Policy (CSP) to enable Pendo retrieval.
• Updated the Thycotic DevOps Secrets Vault credential plugin to allow for filtering based on secret_field.

8.5.3. Automation hub

New features and enhancements
• python3-galaxy-importer/python39-galaxy-importer has been updated to 0.4.13.
• Added Event-Driven Ansible Content to the list of predefined tags.
• python3-pulp-ansible/python39-pulp-ansible has been updated to 0.17.5.

Bug fixes
• Updated ansible-lint to include an offline mode, which is enabled by default, to prevent outbound network calls.
• The users field in namespace data is now ignored during sync.

8.6. BUNDLE INSTALLER RELEASE 2.4-2 - SEPTEMBER 25, 2023

Red Hat Errata Advisory

8.6.1. Ansible Automation Platform

Bug fixes
• Podman configurations are now correctly aligned to the Event-Driven Ansible home directory.
• Fixed an issue where the restore process failed to stop pulpcore-worker services on RHEL 9.
• Fixed an issue with the awx-rsyslogd process where it starts with the wrong user.
• Updated the inventory file to include SSL key and cert parameters for provided SSL web certificates.
• Fixed postgres sslmode for verify-full that affected external postgres and postgres signed for 127.0.0.1 for internally managed postgres.
• Subject alt names for component hosts will now only be checked for signing certificates when https is enabled.
• Fixed the values used for signing installer managed certificates for internal postgres installations.
• Fixed the linger configuration for an Event-Driven Ansible user.
• You can now mount the /var/lib/awx directory as a separate filesystem on execution nodes.
• awx user configuration now supports rootless Podman.
You are now able to sync execution environment images in automation hub to automation controller on upgrade.

The installer now correctly enforces only 1 Event-Driven Ansible host per Ansible Automation Platform installation.

Added new variables for additional nginx configurations per component.

Added temporary file cleanup for Podman to prevent cannot re-exec process error during job execution.

The installer will now properly generate a new SECRET_KEY for controller when running setup.sh with the -k option.

8.6.2. Automation controller

New features and enhancements

● automation-controller has been updated to 4.4.4.

Security fixes

● python3-django/python39-django: Potential denial of service vulnerability in django.utils.encoding.uri_to_iri() (CVE-2023-41164)

Bug fixes

● Fixed job error handling so that error text from ansible-runner or Receptor is correctly reported in cases that were previously shown as Job terminated due to error.

● The constructed inventory edit form no longer hangs indefinitely in the loading state for users with edit permissions.

● Added views for a monthly summary of host metrics.

● Added host metrics to exported analytics data.

● Introduced a periodic task and management command for cleaning up old host metrics.

● Fixed a bug where rapidly clicking the launch button in the preview step would start many jobs.

● Fixed incorrect capacity allocation for remote execution nodes when resource limits are set in OpenShift.

8.6.3. Automation hub

New features and enhancements

● automation-hub has been updated to 4.7.3.

● python3-galaxy-ng/python39-galaxy-ng has been updated to 4.7.3.

● python3-pulp-ansible/python39-pulp-ansible has been updated to 0.17.4.

Bug fixes
- Fixed an issue where the default remote URL for the rh-certified repository would not work.
- Added a legacy role download count to the UI.
- Added a collection upload modal.
- Added repository-related actions to the collection detail screen.
- Added the ability to delete a collection and a collection version from the current repository only.
- Enhanced the Repository List page with several UI updates:
  - Combined the sync status and last sync columns into a single column.
  - Added Labels and Private columns.
  - Added Pipeline, Private, and Remote filters.
- Added Mirror and Optimize sync options when performing a repository sync.
- Resolved an issue in community mode where the token page handled null expiration incorrectly.
- Resolved an issue with the filter in the Repository list where it would partially reset when loading.
- Resolved an issue on the approval dashboard where a Repository name not found error occurred when the origin repository was not listed in the first page of results.

Resolved an issue on the Collections page where using the filter and resetting it would cause all collection versions to display instead of just the latest collection version.

- Improved the logic to select the most suitable distribution to use when uploading a collection to staging.

### 8.7. BUNDLE INSTALLER RELEASE 2.4-1.4 - SEPTEMBER 12, 2023

Red Hat Errata Advisory

#### 8.7.1. Automation controller

**New features and enhancements**

- automation-controller has been updated to 4.4.3.

**Security fixes**

- automation-controller: cryptography: memory corruption via immutable objects (CVE-2023-23931)
- automation-controller: GitPython: Insecure non-multi options in clone and clone_from is not blocked (CVE-2023-40267)
- python3-gitpython/python39-gitpython: Insecure non-multi options in clone and clone_from is not blocked (CVE-2023-40267)

**Bug fixes**
8.8. BUNDLE INSTALLER RELEASE 2.4-1.3 - AUGUST 28, 2023

Red Hat Errata Advisory

8.8.1. Automation controller

New features and enhancements

- automation-controller has been updated to 4.4.2.

Security fixes

- automation-controller: python-django: Potential regular expression denial of service vulnerability in EmailValidator/URLValidator (CVE-2023-36053)

Bug fixes

- Changing credential types by using the drop-down list in the Launch prompt window no longer causes the screen to disappear.
- Upgraded python dependencies which include upgrades from Django 3.2 to 4.2.3, psycopg2 to psycopg3, and additional libraries as needed. Also added a new setting in the UI exposing the CSRF_TRUSTED_ORIGIN settings.
- Fixed slow database UPDATE statements on the job events table which could cause a task manager timeout.
- Fixed an issue where adding a new label to a job through the Prompt On Launch option would not add the label to the job details.
- Added noopener and noreferrer attributes to controller UI links that were missing these attributes.
- Fixed the broken User Guide link in the Edit Subscription Details page.
- Turned off auto-complete on the remaining controller UI forms that were missing that attribute.
- The Add button on the credentials page is now accessible for users with the correct permissions.
- Fixed an unexpected error that occurred when adding a new host while using a manifest with size 10.
- Fixed the Trial toggle when using a manifest file.
- Applied environment variables from the AWX_TASK_ENV setting when running credential lookup plugins.
• Interrupted jobs (such as canceled jobs) no longer clear facts from hosts if the job ran on an execution node.

• Using a license that is missing a usage attribute no longer returns a 400 error.

• Fixed sub-keys under data from HashiCorp Vault Secret Lookup responses to check for secrets, if found.

• Fixed Ansible facts to retry saving to hosts if there is a database deadlock.

8.8.2. Event-Driven Ansible

New features and enhancements

• automation-eda-controller has been updated to 1.0.1.

Security fixes

• automation-eda-controller: token exposed at importing project (CVE-2023-4380)

• python3-cryptography/python39-cryptography: memory corruption via immutable objects (CVE-2023-23931)

• python3-django/python39-django: Potential regular expression denial of service vulnerability in EmailValidator/URLValidator (CVE-2023-36053)

• python3-requests/python39-requests: Unintended leak of Proxy-Authorization header (CVE-2023-32681)

Bug fixes

• Contributor and editor roles now have permissions to access users and set the AWX token.

• The onboarding wizard now requests controller token creation.

• Corrected the filtering capability of the Rule Audit screens so that a search yields results with the starts with function.

• Enabling or disabling rulebook activation no longer increases the restarts counter by 1.

• Filtering by a text string now displays all applicable items in the UI, including those that are not visible in the list at that time.

• Audit records are no longer missing when running activations with multiple jobs.

• The event payload is no longer missing key attributes when a job template fails.

• Fixed the Git token leak that occurs when importing a project fails.

• The restart policy in Kubernetes (k8s) now restarts a successful activation that is incorrectly marked as failed.

• Activation statuses are now reported correctly, whether you are disabling or enabling them.

• When the run_job_template action fails, ansible-rulebook prints an error log in the activation output and creates an entry in rule audit so the user is alerted that the rule has failed.
• When a user tries to bulk delete rulebook activations from the list, the request now completes successfully and consistently.

• The Rulebook Activation link now functions correctly in the Rule Audit Detail UI.

• The ansible-rulebook now only connects to the controller if the rulebook being processed has a run_job_template action.

• Fixed a bug where some audit rule records had the wrong rulebook link.

• Fixed a bug where only the first 10 audit rules had the right link.

• Before this update, project credentials could not be updated if there was a change to the credential used in the project. With this update credentials can be updated in a project with a new or different credential.

• The User Access section of the navigation panel no longer disappears after creating a decision environment.

• Fixed a bug where filtering for audit rules did not work properly on OpenShift Container Platform.

8.9. BUNDLE INSTALLER RELEASE 2.4-1.2 - AUGUST 10, 2023

Red Hat Errata Advisory

8.9.1. Automation controller

New features and enhancements

• automation-controller has been updated to 4.4.1.

Security fixes

• automation controller: Html injection in custom login info (CVE-2023-3971)

Bug fixes

• Organization admin users are no longer shown an error on the Instances list.

• Fixed the workflow job within workflow approval to display the correct details.

• Credential name search in the ad hoc commands prompt no longer requires case-sensitive input.

• The Back to list button in the controller UI now maintains previous search filters.

• Topology view and Instances are only available as sidebar menu options to System Administrators and System Auditors.

• Fixed the frequency of the scheduler to run on the correct day of the week as specified by the user.

• Fixed an issue with slow database UPDATE statements when using nested tasks (include_tasks) causing task manager timeout.
• Added a setting to enable the queuing for Rsyslog to handle higher work volumes (LOG_AGGREGATOR_ACTION_MAX_DISK_USAGE_GB).

• Added the ability to add execution and hop nodes to VM-based controller installations from the UI.

• Added the awx-manage command for creating future events table partitions.

• Re-enabled Pendo support by providing the correct Pendo API key.

• Added the ability to filter teams by using partial names in the dialog for granting teams access to a resource.

• Fixed a bug where a weekly rrule string without a BYDAY value would result in the UI throwing a TypeError.

• Fixed a server error that happened when deleting workflow jobs ran before event partitioning migration.

• Added API reference documentation for the new bulk API endpoint.

• Fixed a bug where forms provided in the custom login information would render and run.

• Fixed an issue where related items were not visible in some cases. For example, job template instance groups, organization galaxy credentials, and organization instance groups.

8.9.2. Creator Tools

New features and enhancements
• ansible-navigator has been updated to 3.4.1.

Bug fixes
• Removed the introspect script from image_manager directory.

• Fixed image introspect for long python metadata.

• Fixed logging dependencies.

• Fixed collections in stdout mode.

8.9.3. Event-Driven Ansible

New features and enhancements
• ansible-rulebook has been updated to 1.0.1.

Bug fixes
• Fixed an issue where the rule_run_at field was not sent to the websocket.

• Do not try to connect with AWX when the no run_job_template action is used.

• The number of simultaneously open connections to controller is now limited to 30.
8.10. BUNDLE INSTALLER RELEASE 2.4-1.1 - JULY 26, 2023

Red Hat Errata Advisory

8.10.1. Ansible Automation Platform

New features and enhancements

- Initial release of aap-metrics-utility.

Bug fixes

- Fixed file permissions in setup bundle.

8.10.2. Automation hub

New features and enhancements

- automation-hub has been updated to 4.7.1-2.

Bug fixes

- Fixed issue using gpg key with passphrase for signing services.