



Release 4.1



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Release 4.1

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**Privacera**

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# 1. Privacera Release 4.1

Release 4.1

Build/Image r.4.1.4.71

05-Dec-2020

## Versions

- Privacera Manager - r.4.1.4.1
- Discovery - r.4.1.4.1
- Access Manager - rel.r.4.1.4.71
- Privacera Encryption Gateway (PEG) - r.4.1.4.1

## Features

### Privacera Access Manager

- [\[Preview\]](#) Access Workflows are now supported in Privacera Access Manager.

This feature provides enterprises with a seamless and automated method to manage user access provisioning and de-provisioning for their data based on requests from users, their roles, projects, tags, or resource names. Requests to access data are generated through a ticketing system that is authorized by a set of approvers. For more information, see [Portal User Guide: Access Manager: Access Request Manager](#).



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## Privacera Manager

- External URLs are generated and provided for Privacera core services such as Privacera Portal, Privacera's Apache Ranger, and Apache Solr.
- Custom commands may now be added to the Databricks 'Init' script.
- Multiple workspaces are now supported in the Databricks Sparks plugin configuration.
- Terraform support has been added for Azure Discovery resource creation. See topic [Discovery using Terraform](#).

# Improvements

## Discovery

- Duplicate keywords entries are not allowed in the out-of-box dictionary file when adding keywords.
- Rules are not included in the Global Export/Import as separate JSON files for structured and unstructured rules.
- Meta tags may now be added directly to a pattern type Dictionary. These meta tags will then be applied directly to the Datasource.

## Portal

- Added help text for the retry, cancel, and kill scan request option in the scan status listing.
- Inventory summary report now has the ability to show *all* activities rather than just the *latest* activity.



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- Compliance summary report now provides a column attribute selector option.
  - Improved display for large file names and text.
  - Data Explorer now has improved search results for database1/table1.
  - Classification details now has an option to show column tags only.

## Upgrades

- Policies defined for the service 'privacera\_athena' will require a manual modification and restart. See [Privacera Athena Policy Upgrade](#) instructions.

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## 2. Supported Versions of Components

# Supported Versions of Components

The following table provides the list of supported versions of components.

Components	Versions Supported in Each Release			
	3.7.x	3.8.x	4.0.x	4.1.x
MariaDB	10.3	10.3	10.3	10.3
Solr	8.5.1	8.5.1	8.5.1	8.5.1
Zookeeper	3.4	3.4	3.4	3.4
PostgreSQL	10	10	10	10
Databricks Runtime Version	6.3 - 6.6	6.3-7.2	6.3 - 7.2	6.3 - 7.2
Databricks Spark Version	2.4.4 - 2.4.5	2.4.4-3.0.0	2.4.4 - 3.0.0	2.4.4 - 3.0.0
AKS	1.15.11	1.15.11	1.17.11	1.17.11
EKS	1.15	1.15	1.17	1.17
EMR	5.29	5.29-5.30.x	5.29 - 5.30.x	5.29 - 5.30.x
RDS (Aurora DB MySQL flavor)	5.7/5.6	5.7/5.6	5.7/5.6	5.7/5.6
Databricks Spark Version for Discovery	2.4.4 - 2.4.5	2.4.4 - 2.4.5	2.4.4 - 2.4.5	2.4.4 - 2.4.5
Discovery Docker Spark Version	2.4.3	2.4.3	2.4.3	2.4.3
Discovery Kubernetes Spark Version	2.4.5	2.4.5	2.4.5	2.4.5
Hive	2.3.6	2.3.6	2.3.6	2.3.6
Spark	2.4.4	2.4.4	2.4.4	2.4.4
PrestoDB	0.227	0.227 - 0.232	0.227 - 0.232	0.227 - 0.232
Zeppelin	0.8.2	0.8.2	0.8.2	0.8.2
Hue	4.4.0	4.4.0	4.4.0	4.4.0
Livy	0.6.0	0.6.0	0.6.0	0.6.0



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Ranger	2	2	2	2
Starburst PrestoSQL	332-e	332-e	332-e	332-e

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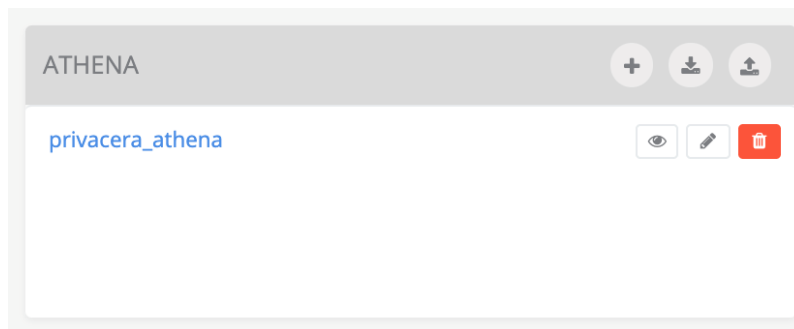



### 3. Supplemental Information

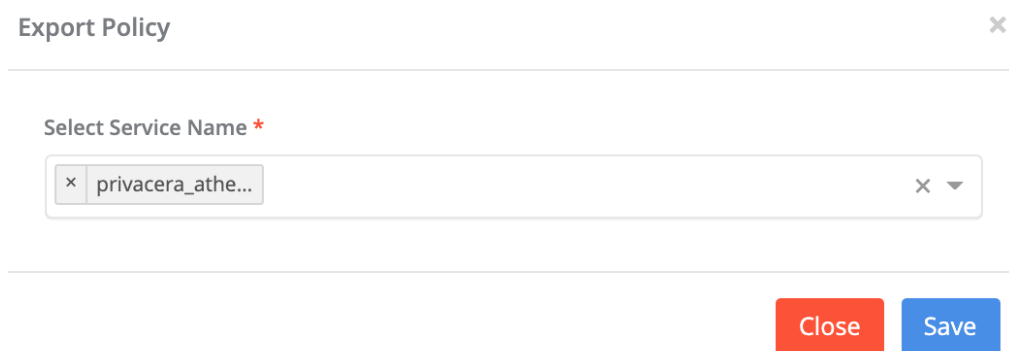
### 3.1. Privacera Athena Policy Upgrade

Existing policies defined for AWS Athena services require a modification to be used in Privacera Platform 4.1. The first steps are to export the policy definition (in JSON format), modify the JSON structure to add a new object, and re-import.

1. Open your portal to Access Management: Resource Policies
2. Find the Athena policies. These will usually be named 'privacera\_athena' in a System named ATHENA.



3. Click the Export Icon  to export policies for this system. This will open to an Export Policy / Select Service dialog.



Select the Athena service(s). (Typically there will be a single

'privacera\_athena' service, but you may have more than one.)

Click Save, to open a Save As file dialog.

4. In **Access Management: Resource Policies**, delete the policies you exported.
5. Open the exported Policies JSON file in your favorite JSON editor. In the 'resources' object, add a new resource named "datasource". Situate it between the 'workgroup' resource and the "database" resource. The "datasource" resource must be structured as follows:

```
JSON

"datasource": {
  "values": [
    ""
  ],
  "isExcludes": false,
  "isRecursive": false
},
```

The result should be similar to the following:

```
JSON

"service": "privacera_athena",
"name": "policy name",
"policyType": 0,
"policyPriority": 0,
"description": "description",
"isAuditEnabled": true,
"resources": {
  "workgroup": {
    "values": [
      "AmazonAthenaPreviewFunctionality"
    ],
    "isExcludes": false,
    "isRecursive": false
  },
```

```
"datasource": {
  "values": [
    "*"
  ],
  "isExcludes": false,
  "isRecursive": false
},
"database": {
  "values": [
    "crdia"
  ],
  "isExcludes": false,
  "isRecursive": false
},
...
...
...
```

Save this file.

6. Remove the Apache Ranger AWS Athena definitions. We'll use the Apache Ranger API via Curl. You will need to know the Administrator credentials and the Ranger administrator URL for your Privacera installed Apache Ranger. In a Docker single node installation, this URL is the same as your Privacera Host URL.

Execute the following, substituting the correct credentials and URL:

Bash (Unix Shell)

```
curl -v -u ${RANGER_ADMIN_USERNAME}:${RANGER_ADMIN_PASSWORD} -X
DELETE \
-H "Accept: application/json" \
-H "Content-Type: application/json" \
${RANGER_ADMIN_URL}/service/public/v2/api/servicedef/name/athena
```

7. Now that Athena definitions are removed, restart Privacera's Apache Ranger. This will force it to pick up the updated Athena Service


definitions. This step requires console access to your Privacera Portal host system. Open a console and SSH to the Privacera Portal host system with administrator credentials and execute the following commands on the host system console.

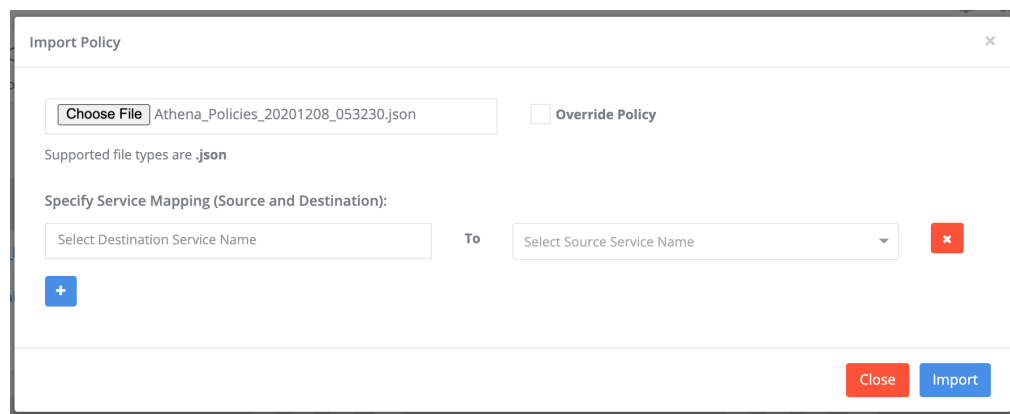
*If your Privacera Platform was installed to an EC2 instance and you are using Docker, the command sequence will be as shown below.*

**Bash (Unix Shell)**

```
cd ~/privacera/docker  
./privacera_services restart ranger
```

8. When Apache Ranger restarts, it will create new default policies. Since we don't want to use them, we need to delete them prior to importing the modified policies. In the Privacera Portal, in Access Management: Resource Policies, re-open the ATHENA *system* and delete the 'privacera\_athena' *application*.
9. Import the modified policy file. In Access Management: Resource

Policies, click on the import icon  to initiate the import dialog. Select your revised policy definition file.





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10. These new policies are now created with the correct new resource 'datasource'.

That's it! You are done.

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