



ADQM Cloud Bundle

ADQM Cloud Bundle is a hostprovider to automatically deploy [Arenadata QuickMarts \(ADQM\)](#) clusters in various clouds.

Version **CURRENT**

Language: **EN**



Contents

1. [Planning guide](#)

2. [Installation](#)

3. [How to](#)

└ [Create a cluster](#)

4. [Release notes](#)

Contents

[To Table of Contents](#)

[Requirements](#)

[Limitations](#)

Requirements

To be able to use the ADQM Cloud Bundle, meet the conditions below.

- Upload the following bundles to [ADCM](#):
 - ADQM Cloud Bundle;
 - product bundle — [Arenadata QuickMarts \(ADQM\)](#);
 - cloud hostprovider bundle — for example, [Yandex Cloud hostprovider](#) or [Cloud.ru Advanced hostprovider](#);
 - bundle for a monitoring cluster — Monitoring Bundle (if you plan to install a monitoring cluster for ADQM);
 - bundle to deploy a monitoring cluster in a cloud — Monitoring Cloud Bundle (if you plan to install a monitoring cluster for ADQM).
- Create and configure a hostprovider of the cloud where you plan to deploy an ADQM cluster before using ADQM Cloud Bundle.

Limitations

ADQM Cloud Bundle allows you to create an ADQM cluster, but it has some limitations:

- If you need to change the number of hosts in a cluster, you should manually change this number in the [ADQM Cloud Bundle configuration settings](#) (***Community/Enterprise Config, Monitoring Config, Yandex/SberCloud Cloud Config***).
- For ADQM cluster installation, some parameters of ADQM services (in the `services_config` section of the ***Community/Enterprise Config*** cluster configuration) are required. If such a parameter is a password (for example, `default_user_password`), it is stored unencrypted.

Contents

To Table of Contents

Step 1. Get a bundle

Step 2. Upload a hostprovider bundle to ADCM

Step 3. Create a hostprovider based on the uploaded bundle

Step 4. Configure a hostprovider

This article describes the steps to create and configure the ADQM Cloud Bundle hostprovider in ADCM.

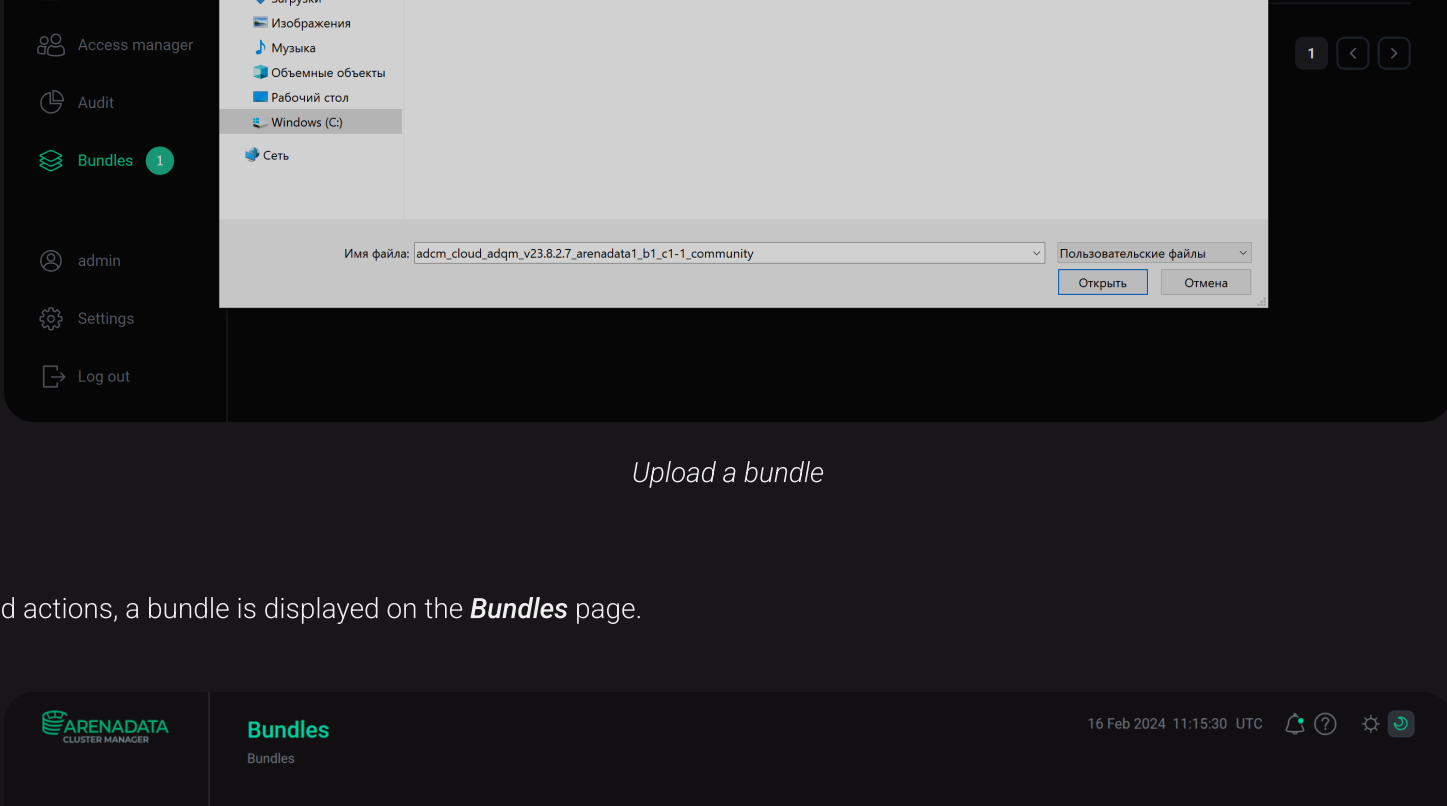
Step 1. Get a bundle

Please get a bundle for the ADQM Cloud Bundle hostprovider from the Arenadata support team.

Step 2. Upload a hostprovider bundle to ADCM

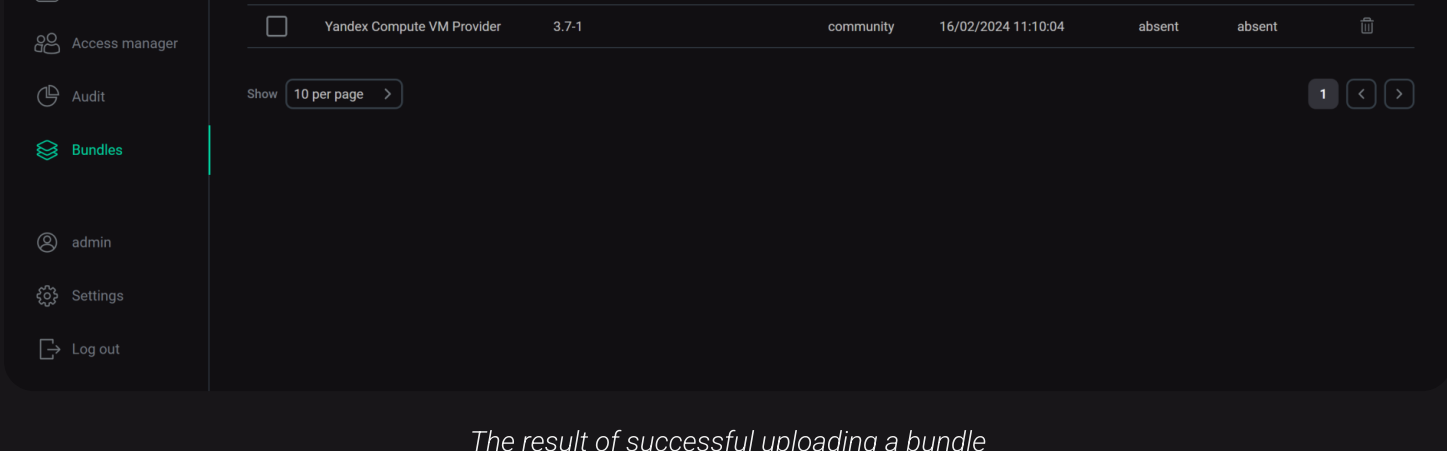
To upload a bundle to ADCM, follow the steps:

- 1. Select the **Bundles** item in the left navigation menu and click **Upload bundle**.
- 2. Select a bundle in the Open File Dialog.



Upload a bundle

- 3. As a result of the performed actions, a bundle is displayed on the **Bundles** page.

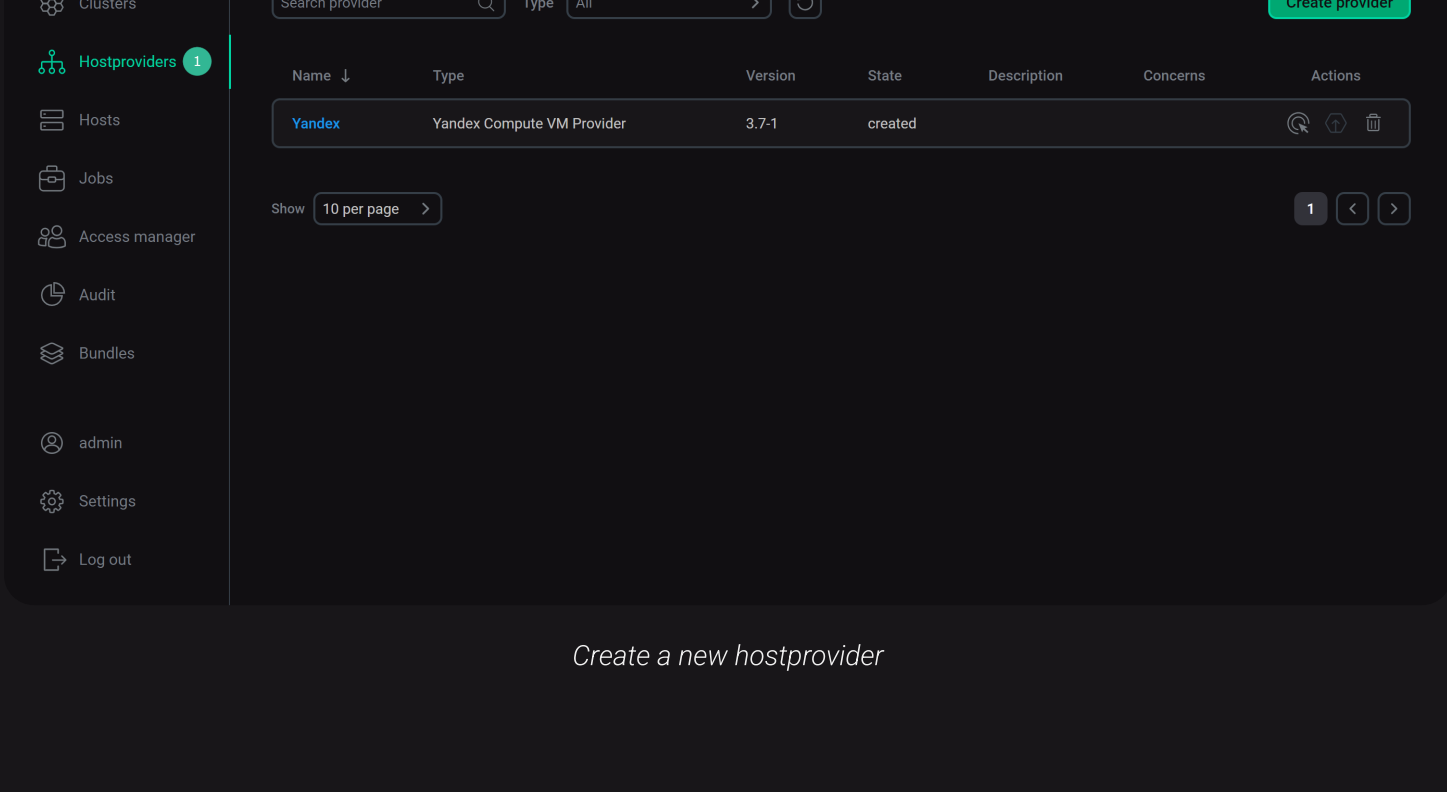


The result of successful uploading a bundle

Step 3. Create a hostprovider based on the uploaded bundle

To add a new hostprovider to ADCM on the base of the uploaded bundle, follow the steps:

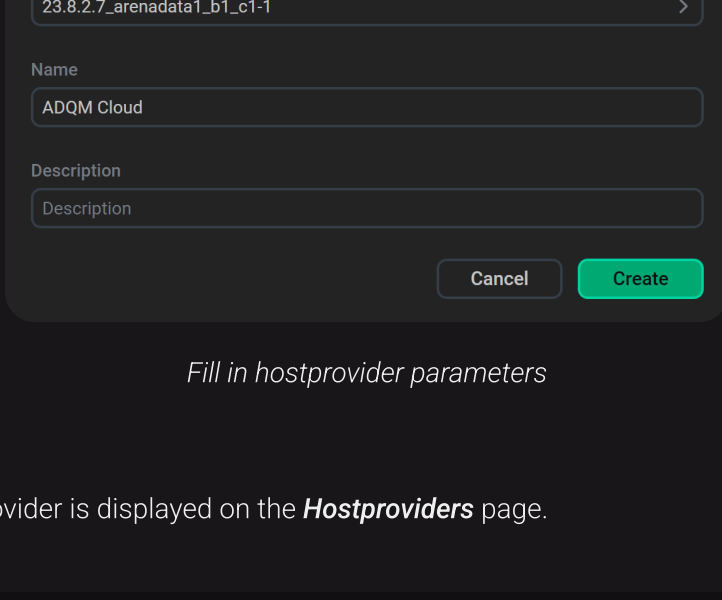
- 1. Select the **Hostproviders** item in the left navigation menu and click **Create provider**.



Create a new hostprovider

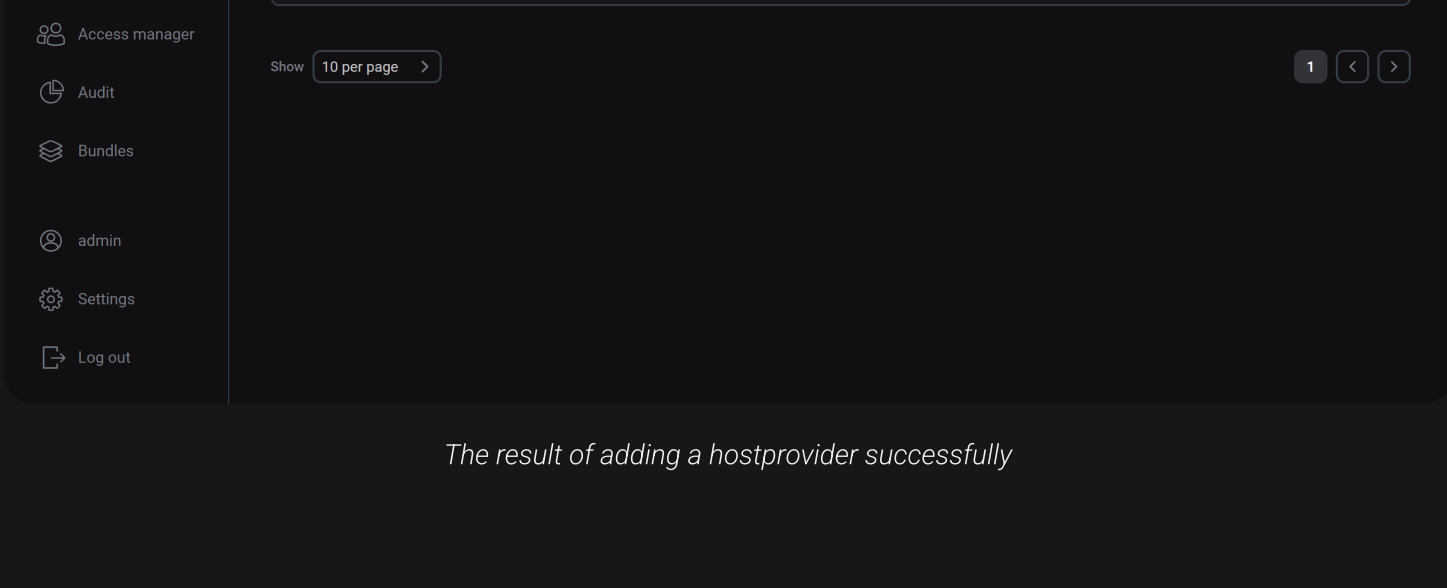
- 2. In the opened window:

- Select an uploaded bundle in the **Type** field.
- Select a bundle version in the **Version** field. Several versions become available in the case of different versions of the same bundle being uploaded.
- Enter a hostprovider name in the **Name** field.
- Enter a hostprovider description in the **Description** field if necessary.
- Click **Create**.



Fill in hostprovider parameters

- 3. As a result of the performed actions, the created hostprovider is displayed on the **Hostproviders** page.

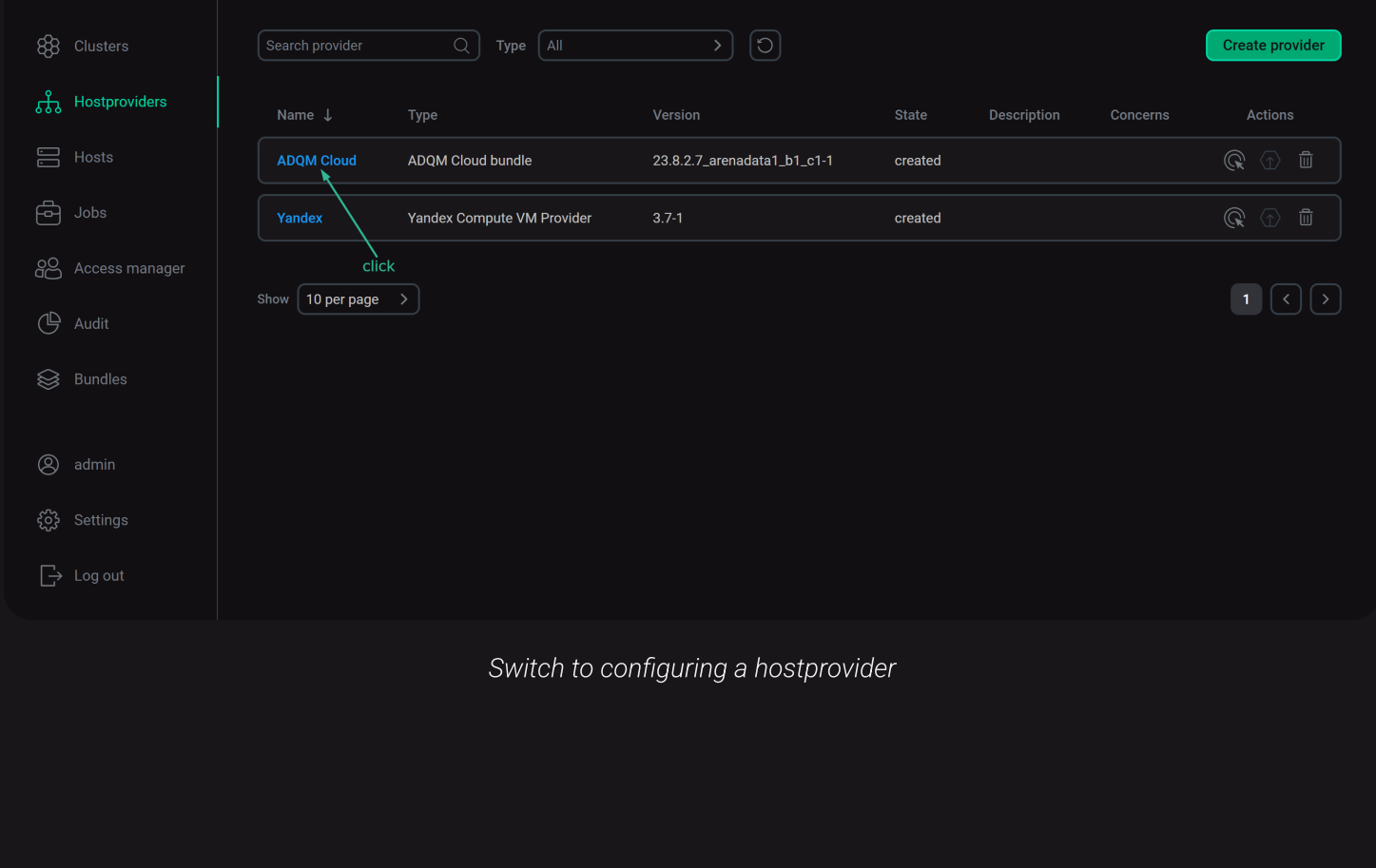


The result of adding a hostprovider successfully

Step 4. Configure a hostprovider

NOTE All configuration parameters of the ADQM Cloud Bundle hostprovider are set automatically when you create it in ADCM. Change the settings only if custom installation is required.

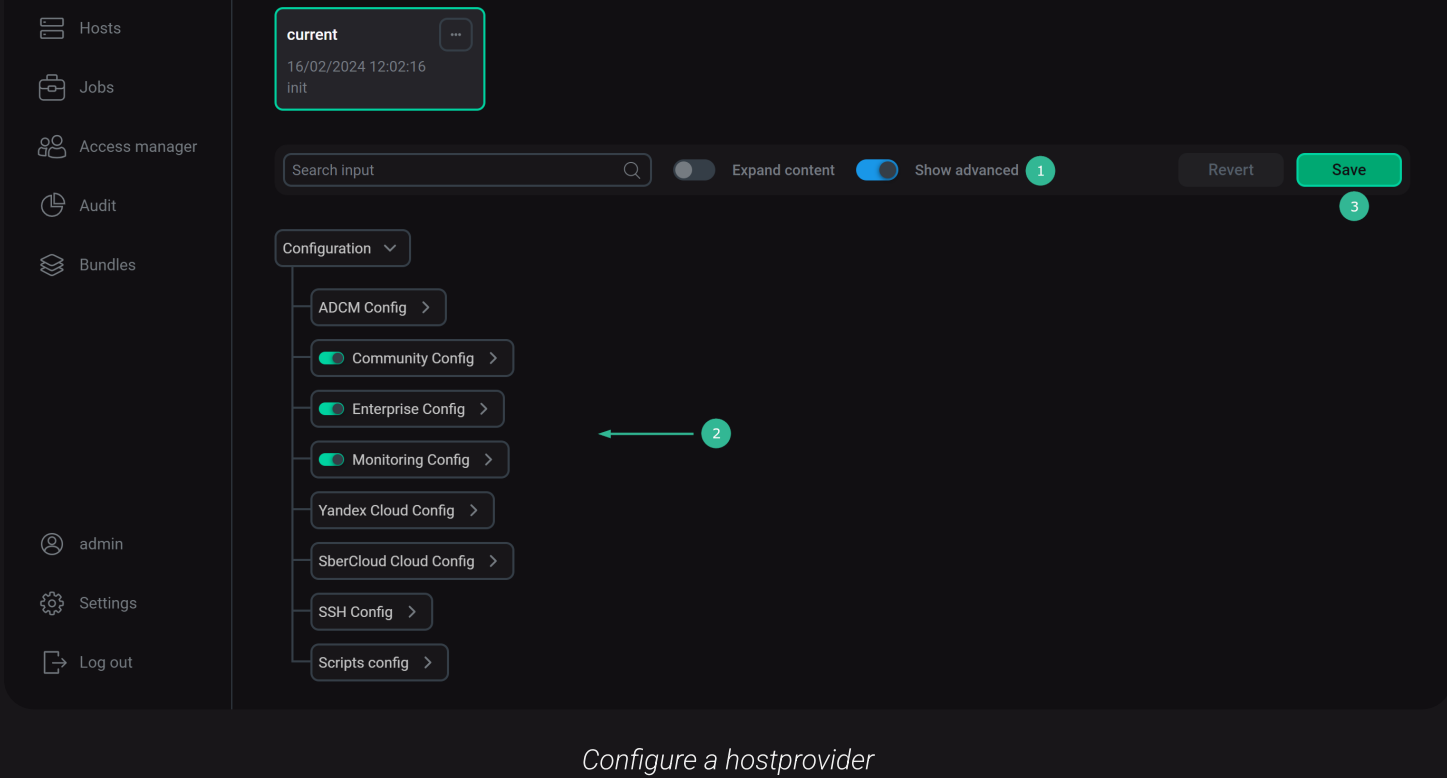
- 1. On the **Hostproviders** page, click the hostprovider name in the **Name** column.



Switch to configuring a hostprovider

- 2. In the opened window:

- Open the **Primary Configuration** tab.
- Activate the **Show advanced** switch.
- Fill in configuration parameters of the hostprovider.
- Click **Save**.



Configure a hostprovider


The assignment of parameters is in the table below.

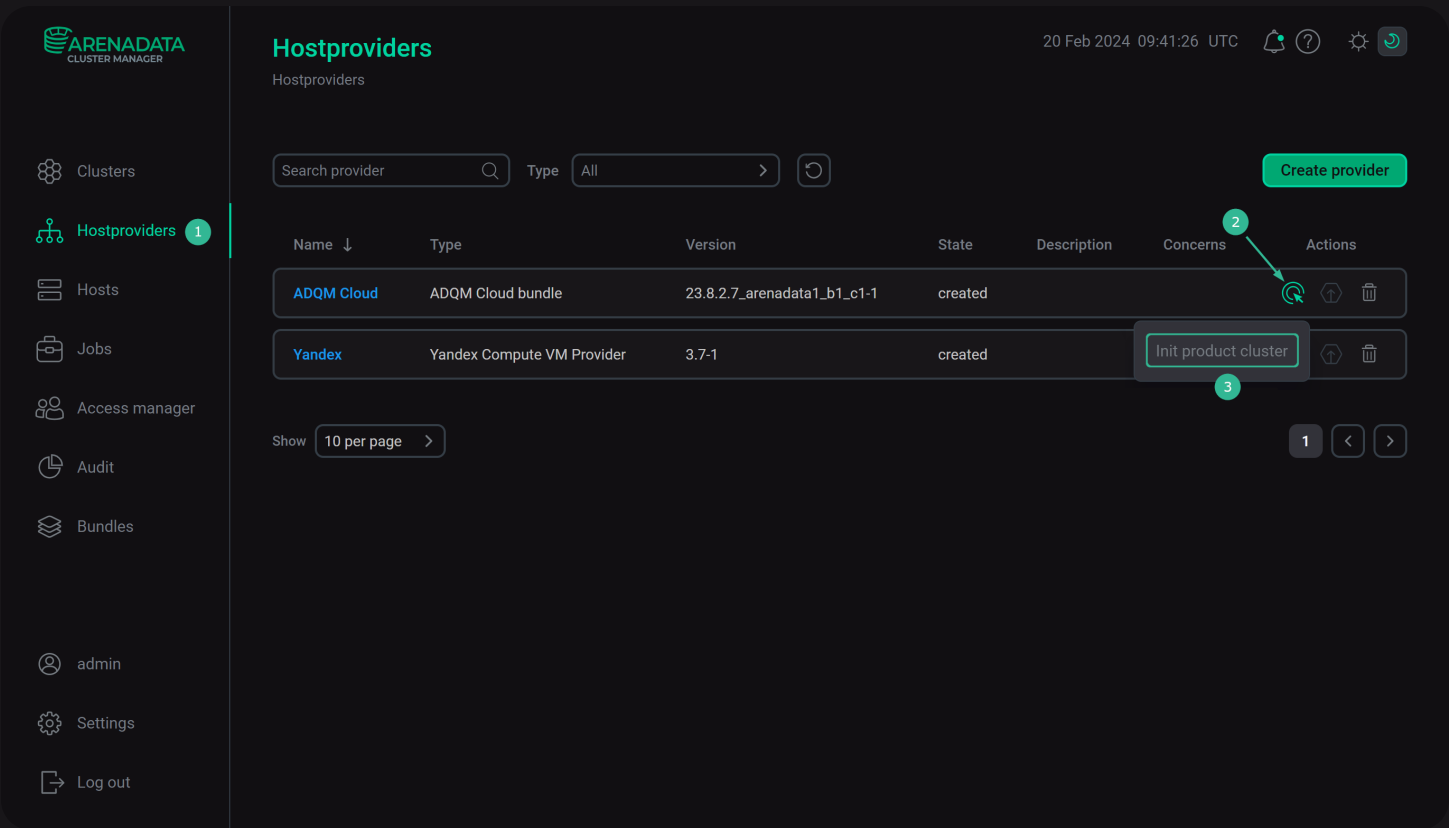
ADQM Cloud Bundle configuration parameters

Group	Parameters	Description
ADQM Config	Adcm user	Login used for user authentication in ADCM
	Adcm password	Password used for user authentication in ADCM
Community Config	Cluster configuration	Configuration that defines the distribution of ADQM service components between cluster hosts, as well as the configuration of services and the cluster itself in JSON format. This configuration is applied when you use the Community edition of an ADQM bundle to install a cluster (if you leave the Enterprise edition option disabled in the Init product cluster action settings before the cluster creation)
Enterprise Config	Cluster Enterprise configuration	Configuration that defines the distribution of ADQM service components between cluster hosts, as well as the configuration of services and the cluster itself in JSON format. This configuration is applied when you use the Enterprise edition of an ADQM bundle to install a cluster (if you activate the Enterprise edition option in the Init product cluster action settings before the cluster creation)
Monitoring Config	Cluster Monitoring configuration	Configuration that defines the distribution of monitoring service components between cluster hosts. This configuration is applied if you activate the Enable monitoring option in the Init product cluster action settings
Yandex Cloud Config	S size nodes config	Configurations of hosts that will be created in the selected cloud. You can change the number of hosts and their parameters in accordance with a cloud hostprovider bundle. ADQM Cloud Bundle supports a separate host configuration for each cluster size (S , M , X). These configurations are applied if you select the corresponding cloud in the Init product cluster action settings and the cloud hostprovider is configured. Virtual machines with the specified parameters will be automatically created in the selected cloud to be used as ADQM cluster hosts
SberCloud Cloud Config	M size nodes config	
	X size nodes config	
SSH Config	Username Password SSH private key S size nodes config M size nodes config X size nodes config	Parameters for connecting to pre-created and configured hosts. For cluster installation on hosts, SSH connection parameters (Username , Password , SSH private key , and IP addresses of hosts) specified manually by a user will be used
Scripts config	Init script	Initialization script that will be passed to the init_script field of the cloud hostprovider and will be executed on a host by cloud_init . Inherits all restrictions of the cloud hostprovider, if any
	Post script	Script that will be executed by Ansible on all hosts after the ADQM cluster installation

IMPORTANT A set of services and components, as well as their configurations, may differ in different versions of the ADQM product. When editing a configuration, monitor the number of hosts over which service components are distributed and change this number in the **Community Config/Enterprise Config, Monitoring Config**, and **Yandex Cloud Config/SberCloud Cloud Config** settings.

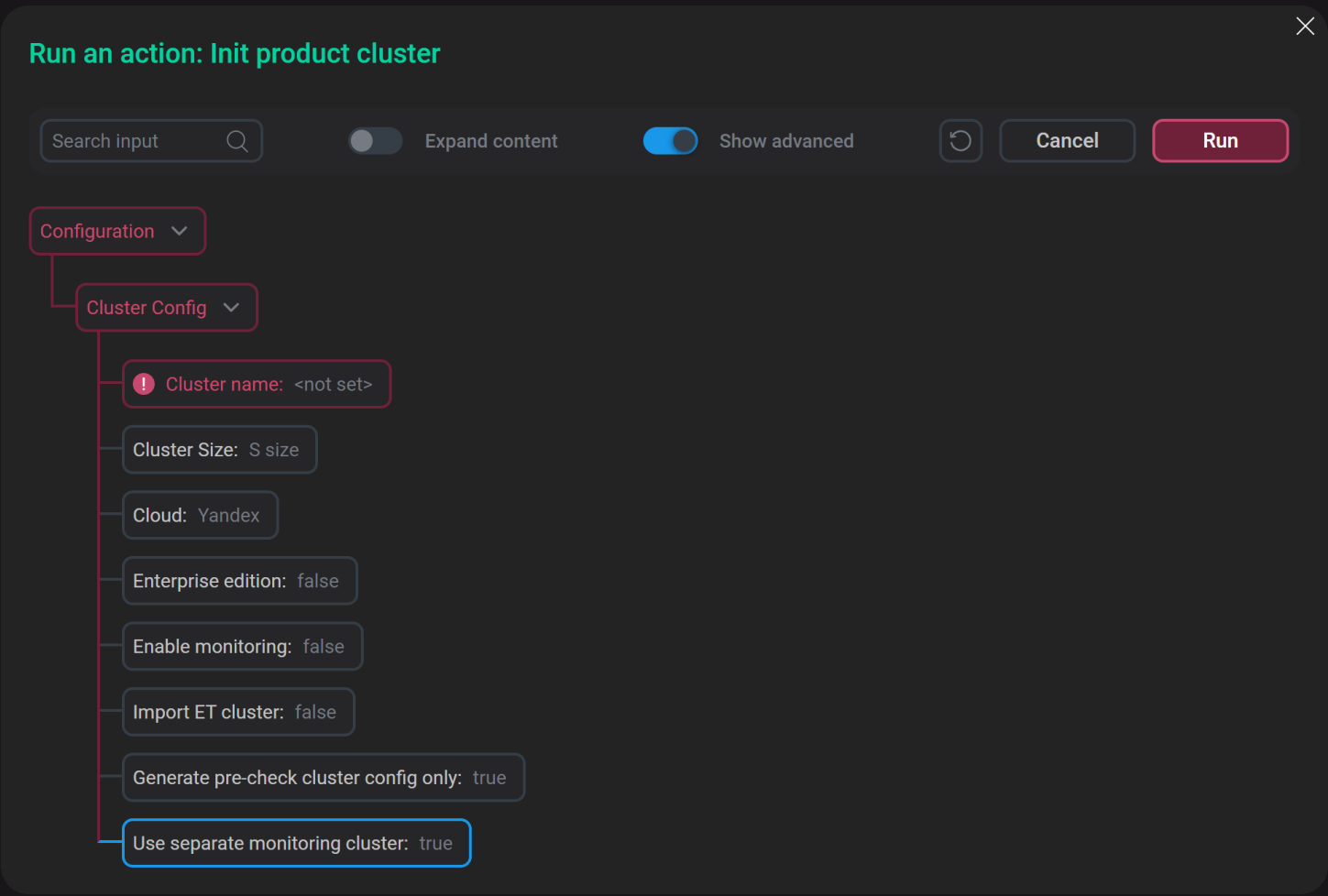
To deploy an ADQM cluster in a cloud using ADQM Cloud Bundle:

1.
- On the *Hostproviders* page, click the icon  in the *Actions* column for the ADQM Cloud Bundle hostprovider and select the *Init product cluster* action.



Switch to a cluster creation

2.
- In the opened window, activate the *Show advanced* switch and fill in the cluster configuration parameters (fields highlighted in red are required).



Configure a cluster to be created

Configuration parameters for cluster creation

Parameter	Description	Default value
Cluster name	ADQM cluster name. It will also be used as a prefix in names of the cluster hosts	—
Cluster Size	ADQM cluster size (S size , M size , or X size). Depending on the ADQM Cloud Bundle configuration, it may affect the number and parameters of hosts on which the ADQM cluster will be installed	S size
Cloud	Cloud where the ADQM cluster will be deployed. For ADQM Cloud Bundle version 23.8.2.7, Yandex , SberCloud , and SSH clouds are supported. The hostprovider of the selected cloud should be created and configured	Yandex
Enterprise edition	Indicates whether the Enterprise version of the ADQM bundle should be used for the cluster creation. The required version of the bundle should be uploaded to ADCM	false
Enable monitoring	Indicates whether a monitoring cluster should be installed and imported into the ADQM cluster. If this option is applied, the distribution of monitoring services across hosts should be specified via the Monitoring Config setting in the ADQM Cloud Bundle configuration . The Monitoring Bundle and Monitoring Cloud Bundle should be uploaded to ADCM	false
Import ET cluster	Indicates whether services of an Enterprise Tools (ET) cluster should be imported into the ADQM cluster. An installed Enterprise Tools cluster with uploaded offline_pack is required	false
Generate pre-check cluster config only	Indicates whether information about the cluster to be installed should be generated and displayed on the Jobs page to allow pre-checking configuration only. To install the ADQM cluster, it is required to disable the Generate pre-check cluster config option (it is activated by default)	true
Use separate monitoring cluster	Indicates whether a separate monitoring cluster should be created for ADQM. If this option is disabled and there is already another product cluster with the configured monitoring cluster in ADCM, that existing monitoring cluster will be reused for a new ADQM cluster to be installed The parameter is visible when the Show advanced option is enabled in the Init product cluster action configuration window	true

3.
- After you have specified the configuration parameters, disable the **Generate pre-check cluster config** option and click **Run**.

You can find the operation execution log on the **Jobs** page.

After the cluster creation has finished successfully, the created virtual machines are added to the **Hosts** page and the product clusters appear on the **Clusters** page.



Contents

To Table of Contents

[23.8.2.7](#)

[23.3.2.37](#)

[22.8.6.71](#)

23.8.2.7

23.8.2.7.1.b1.c1

Date: 10.01.2024

New features

Added support for ADQM 23.8.2.7.1.b1

Added support for ADCM 2.0.0

23.3.2.37

23.3.2.37.1.b1.c2

Date: 31.10.2023

New features

Added support for ADQM 23.3.2.37.1.b1

Implemented the ability to import an Enterprise Tools (ET) cluster

22.8.6.71

22.8.6.71.1.b1.c1

Date: 28.04.2023

New features

Implemented a set of options to configure an ADQM cluster (with monitoring if needed) to be installed:

- select cluster size;
- select a cloud where the cluster will be deployed;
- select a product bundle version — Enterprise or Community;
- install a monitoring cluster with the ability to select hosts for monitoring services;
- get complete information about the cluster configuration before installing it in a convenient format;
- create an additional monitoring cluster if another product with monitoring is already deployed in ADCM;
- manage `hc_map` , `services_config` , and `cluster_config` ;
- execute init and post scripts.