Arenadata™ Cluster Manager

Версия - master

ReST API

2019 Arenadata™

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Important: Контактная информация службы поддержки – e-mail: info@arenadata.io

Глава 1

ArenaData Cluster Manager API

Version: 1.0

Глава 2

Intro

Cluster: Set of hosts and services

Host: Abstract container for components

Service: Set of components

Component: Peace of software

HostComponent: Map between hosts and components of services

Task: Service action at work. Consists of one or more jobs

Job: Minimal quantum of action. Run ansible playbook to do actual work

2.1 API Sections

cluster

host

job

profile

provider

stack

swagger

task

token

user

2.2 cluster

2.2.1 list

GET `/api/v1/cluster/`

List of all existing clusters

```
<h4>Query Parameters</h4>
<p>The following parameters should be included as part of a URL query string.</p>
<table class="parameters table table-bordered table-striped">
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↪the results.</td></tr>

    </tbody>
</table>
```

2.2.2 create

POST `/api/v1/cluster/`

Create new cluster

Request Body

The request body should be a "**application/json**" encoded object, containing the following items.

2.2.3 read

GET `/api/v1/cluster/{cluster_id}/`

Show cluster

Path Parameters

The following parameters should be included in the URL path.

2.2.4 partial_update

PATCH `/api/v1/cluster/{cluster_id}/`

Edit cluster

Path Parameters

The following parameters should be included in the URL path.

Request Body

The request body should be a "**application/json**" encoded object, containing the following items.

2.2.5 delete

DELETE `/api/v1/cluster/{cluster_id}/`

Remove cluster

Path Parameters

The following parameters should be included in the URL path.

2.2.6 action > list

GET `/api/v1/cluster/{cluster_id}/action/`

List all actions of a specified cluster

Path Parameters

The following parameters should be included in the URL path.

```
<h4>Query Parameters</h4>
<p>The following parameters should be included as part of a URL query string.</p>
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    </tbody>
</table>
```

2.2.7 action > read

GET `/api/v1/cluster/{cluster_id}/action/{action_id}/`

Show specified action of a specified cluster

Path Parameters

The following parameters should be included in the URL path.

2.2.8 action > run > create

POST /api/v1/cluster/{cluster_id}/action/{action_id}/run/

Ran specified action of a specified cluster

Path Parameters

The following parameters should be included in the URL path.

Request Body

The request body should be a "**application/json**" encoded object, containing the following items.

2.2.9 bind > list

GET /api/v1/cluster/{cluster_id}/bind/

List all binds of specified cluster

Path Parameters

The following parameters should be included in the URL path.

```
<h4>Query Parameters</h4>
<p>The following parameters should be included as part of a URL query string.</p>
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    </tbody>
</table>
```

2.2.10 bind > create

POST /api/v1/cluster/{cluster_id}/bind/

Bind two cluster

Path Parameters

The following parameters should be included in the URL path.

2.2.11 bundle > list

GET `/api/v1/cluster/{cluster_id}/bundle/`

List all services of specified cluster of bundle

Path Parameters

The following parameters should be included in the URL path.

```
<h4>Query Parameters</h4>
<p>The following parameters should be included as part of a URL query string.</p>
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    </tbody>
</table>
```

2.2.12 button > list

GET `/api/v1/cluster/{cluster_id}/button/`

List all actions of a specified cluster

Path Parameters

The following parameters should be included in the URL path.

```
<h4>Query Parameters</h4>
<p>The following parameters should be included as part of a URL query string.</p>
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    </tbody>
</table>
```

2.2.13 button > read

GET `/api/v1/cluster/{cluster_id}/button/{action_id}/`

Show specified action of a specified cluster

Path Parameters

The following parameters should be included in the URL path.

2.2.14 button > run > create

POST `/api/v1/cluster/{cluster_id}/button/{action_id}/run/`

Ran specified action of a specified cluster

Path Parameters

The following parameters should be included in the URL path.

Request Body

The request body should be a "**application/json**" encoded object, containing the following items.

2.2.15 config > list

GET `/api/v1/cluster/{cluster_id}/config/`

Show config page for a specified service and cluster

Path Parameters

The following parameters should be included in the URL path.

```
<h4>Query Parameters</h4>
<p>The following parameters should be included as part of a URL query string.</p>
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    </tbody>
</table>
```

2.2.16 config > current > list

GET /api/v1/cluster/{cluster_id}/config/current/

Show config for a specified version, service and cluster.

Path Parameters

The following parameters should be included in the URL path.

```
<h4>Query Parameters</h4>
<p>The following parameters should be included as part of a URL query string.</p>
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    </tbody>
</table>
```

2.2.17 config > history > list

GET /api/v1/cluster/{cluster_id}/config/history/

Show history of config in a specified service and cluster

Path Parameters

The following parameters should be included in the URL path.

```
<h4>Query Parameters</h4>
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    </tbody>
</table>
```

2.2.18 config > history > create

POST `/api/v1/cluster/{cluster_id}/config/history/`

Update config in a specified service and cluster. Config parameter is json

Path Parameters

The following parameters should be included in the URL path.

Request Body

The request body should be a "**application/json**" encoded object, containing the following items.

2.2.19 config > history > read

GET `/api/v1/cluster/{cluster_id}/config/history/{version}/`

Show config for a specified version, service and cluster.

Path Parameters

The following parameters should be included in the URL path.

2.2.20 config > history > restore > partial_update

PATCH `/api/v1/cluster/{cluster_id}/config/history/{version}/restore/`

Restore config of specified version in a specified service and cluster.

Path Parameters

The following parameters should be included in the URL path.

Request Body

The request body should be a "**application/json**" encoded object, containing the following items.

2.2.21 config > previous > list

GET `/api/v1/cluster/{cluster_id}/config/previous/`

Show config for a specified version, service and cluster.

Path Parameters

The following parameters should be included in the URL path.

```
<h4>Query Parameters</h4>
<p>The following parameters should be included as part of a URL query string.</p>
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```

2.2.22 host > list

GET /api/v1/cluster/{cluster_id}/host/

List all hosts of a specified cluster

Path Parameters

The following parameters should be included in the URL path.

```
<h4>Query Parameters</h4>
<p>The following parameters should be included as part of a URL query string.</p>
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    </tbody>
</table>
```

2.2.23 host > create

POST /api/v1/cluster/{cluster_id}/host/

Path Parameters

The following parameters should be included in the URL path.

Request Body

The request body should be a "**application/json**" encoded object, containing the following items.

2.2.24 host > read

GET `/api/v1/cluster/{cluster_id}/host/{host_id}/`

Show host of cluster

Path Parameters

The following parameters should be included in the URL path.

2.2.25 host > delete

DELETE `/api/v1/cluster/{cluster_id}/host/{host_id}/`

Remove host from cluster

Path Parameters

The following parameters should be included in the URL path.

2.2.26 host > action > list

GET `/api/v1/cluster/{cluster_id}/host/{host_id}/action/`

List all actions of a specified host in a specified cluster

Path Parameters

The following parameters should be included in the URL path.

```
<h4>Query Parameters</h4>
<p>The following parameters should be included as part of a URL query string.</p>
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    </tbody>
</table>
```

2.2.27 host > action > read

GET `/api/v1/cluster/{cluster_id}/host/{host_id}/action/{action_id}/`

Show specified actions of a specified host in a specified cluster

Path Parameters

The following parameters should be included in the URL path.

2.2.28 host > action > run > create

POST `/api/v1/cluster/{cluster_id}/host/{host_id}/action/{action_id}/run/`

Ran specified action of a specified host in a specified cluster

Path Parameters

The following parameters should be included in the URL path.

Request Body

The request body should be a "**application/json**" encoded object, containing the following items.

2.2.29 host > button > list

GET `/api/v1/cluster/{cluster_id}/host/{host_id}/button/`

List all actions of a specified host in a specified cluster

Path Parameters

The following parameters should be included in the URL path.

```
<h4>Query Parameters</h4>
<p>The following parameters should be included as part of a URL query string.</p>
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    </tbody>
</table>
```

2.2.30 host > button > read

GET `/api/v1/cluster/{cluster_id}/host/{host_id}/button/{action_id}/`

Show specified actions of a specified host in a specified cluster

Path Parameters

The following parameters should be included in the URL path.

2.2.31 host > button > run > create

POST `/api/v1/cluster/{cluster_id}/host/{host_id}/button/{action_id}/run/`

Ran specified action of a specified host in a specified cluster

Path Parameters

The following parameters should be included in the URL path.

Request Body

The request body should be a "**application/json**" encoded object, containing the following items.

2.2.32 hostcomponent > list

GET `/api/v1/cluster/{cluster_id}/hostcomponent/`

Show host <-> component map in a specified cluster

Path Parameters

The following parameters should be included in the URL path.

```
<h4>Query Parameters</h4>
<p>The following parameters should be included as part of a URL query string.</p>
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</table>
```

2.2.33 hostcomponent > create

POST /api/v1/cluster/{cluster_id}/hostcomponent/

Create new mapping service:component <-> host in a specified cluster.

Path Parameters

The following parameters should be included in the URL path.

Request Body

The request body should be a "**application/json**" encoded object, containing the following items.

2.2.34 hostcomponent > read

GET /api/v1/cluster/{cluster_id}/hostcomponent/{hs_id}/

Show host <-> component link in a specified cluster

Path Parameters

The following parameters should be included in the URL path.

2.2.35 import > list

GET /api/v1/cluster/{cluster_id}/import/

List all imports avaliable for specified cluster

Path Parameters

The following parameters should be included in the URL path.

```
<h4>Query Parameters</h4>
<p>The following parameters should be included as part of a URL query string.</p>
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</table>
```

2.2.36 service > list

GET /api/v1/cluster/{cluster_id}/service/

List all services of a specified cluster

Path Parameters

The following parameters should be included in the URL path.

```
<h4>Query Parameters</h4>
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</table>
```

2.2.37 service > create

POST /api/v1/cluster/{cluster_id}/service/

Add service to specified cluster

Path Parameters

The following parameters should be included in the URL path.

Request Body

The request body should be a "**application/json**" encoded object, containing the following items.

2.2.38 service > read

GET /api/v1/cluster/{cluster_id}/service/{service_id}/

Show service in a specified cluster

Path Parameters

The following parameters should be included in the URL path.

2.2.39 service > action > list

GET /api/v1/cluster/{cluster_id}/service/{service_id}/action/

List all actions of a specified service

Path Parameters

The following parameters should be included in the URL path.

```
<h4>Query Parameters</h4>
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```

2.2.40 service > action > read

GET /api/v1/cluster/{cluster_id}/service/{service_id}/action/{action_id}/

Show specified action of a specified service

Path Parameters

The following parameters should be included in the URL path.

2.2.41 service > action > run > create

POST /api/v1/cluster/{cluster_id}/service/{service_id}/action/{action_id}/run/

Ran specified action of a specified service in cluster

Path Parameters

The following parameters should be included in the URL path.

Request Body

The request body should be a "**application/json**" encoded object, containing the following items.

2.2.42 service > button > list

GET /api/v1/cluster/{cluster_id}/service/{service_id}/button/

List all actions of a specified service

Path Parameters

The following parameters should be included in the URL path.

```
<h4>Query Parameters</h4>
<p>The following parameters should be included as part of a URL query string.</p>
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    </tbody>
</table>
```

2.2.43 service > button > read

GET /api/v1/cluster/{cluster_id}/service/{service_id}/button/{action_id}/

Show specified action of a specified service

Path Parameters

The following parameters should be included in the URL path.

2.2.44 service > button > run > create

POST /api/v1/cluster/{cluster_id}/service/{service_id}/button/{action_id}/run/

Ran specified action of a specified service in cluster

Path Parameters

The following parameters should be included in the URL path.

Request Body

The request body should be a "**application/json**" encoded object, containing the following items.

2.2.45 service > component > list

GET /api/v1/cluster/{cluster_id}/service/{service_id}/component/

Show componets of service in a specified cluster

Path Parameters

The following parameters should be included in the URL path.

```
<h4>Query Parameters</h4>
<p>The following parameters should be included as part of a URL query string.</p>
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    </tbody>
</table>
```

2.2.46 service > component > read

GET /api/v1/cluster/{cluster_id}/service/{service_id}/component/{component_id}/

Show specified componet of service in a specified cluster

Path Parameters

The following parameters should be included in the URL path.

2.2.47 service > config > list

GET /api/v1/cluster/{cluster_id}/service/{service_id}/config/

Show config page for a specified service and cluster

Path Parameters

The following parameters should be included in the URL path.

```
<h4>Query Parameters</h4>
<p>The following parameters should be included as part of a URL query string.</p>
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</table>
```

2.2.48 service > config > current > list

GET /api/v1/cluster/{cluster_id}/service/{service_id}/config/current/

Show config for a specified version, service and cluster.

Path Parameters

The following parameters should be included in the URL path.

```
<h4>Query Parameters</h4>
<p>The following parameters should be included as part of a URL query string.</p>
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    </tbody>
</table>
```

2.2.49 service > config > history > list

GET /api/v1/cluster/{cluster_id}/service/{service_id}/config/history/

Show history of config in a specified service and cluster

Path Parameters

The following parameters should be included in the URL path.

```
<h4>Query Parameters</h4>
<p>The following parameters should be included as part of a URL query string.</p>
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    </tbody>
</table>
```

2.2.50 service > config > history > create

POST `/api/v1/cluster/{cluster_id}/service/{service_id}/config/history/`

Update config in a specified service and cluster. Config parameter is json

Path Parameters

The following parameters should be included in the URL path.

Request Body

The request body should be a "**application/json**" encoded object, containing the following items.

2.2.51 service > config > history > read

GET `/api/v1/cluster/{cluster_id}/service/{service_id}/config/history/{version}/`

Show config for a specified version, service and cluster.

Path Parameters

The following parameters should be included in the URL path.

2.2.52 service > config > history > restore > partial_update

PATCH `/api/v1/cluster/{cluster_id}/service/{service_id}/config/history/{version}/restore/`

Restore config of specified version in a specified service and cluster.

Path Parameters

The following parameters should be included in the URL path.

Request Body

The request body should be a "**application/json**" encoded object, containing the following items.

2.2.53 service > config > previous > list

GET /api/v1/cluster/{cluster_id}/service/{service_id}/config/previous/

Show config for a specified version, service and cluster.

Path Parameters

The following parameters should be included in the URL path.

```
<h4>Query Parameters</h4>
<p>The following parameters should be included as part of a URL query string.</p>
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        <tr><td class="parameter-name"><code>limit</code></td><td>Number of results to return per page.</td>
↪</tr>

        <tr><td class="parameter-name"><code>offset</code></td><td>The initial index from which to return␣
↪the results.</td></tr>

    </tbody>
</table>
```

2.2.54 upgrade > list

GET /api/v1/cluster/{cluster_id}/upgrade/

List all avaliable upgrades for specified cluster

Path Parameters

The following parameters should be included in the URL path.

```
<h4>Query Parameters</h4>
<p>The following parameters should be included as part of a URL query string.</p>
<table class="parameters table table-bordered table-striped">
    <thead>
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    <tbody>

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↪</tr>

        <tr><td class="parameter-name"><code>offset</code></td><td>The initial index from which to return␣
↪the results.</td></tr>

    </tbody>
</table>
```

2.2.55 upgrade > do > create

POST /api/v1/cluster/{cluster_id}/upgrade/{upgrade_id}/do/

Do upgrade specified cluster

Path Parameters

The following parameters should be included in the URL path.

2.3 host

2.3.1 list

GET /api/v1/host/

List all hosts

```
<h4>Query Parameters</h4>
<p>The following parameters should be included as part of a URL query string.</p>
<table class="parameters table table-bordered table-striped">
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    <tbody>

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        <tr><td class="parameter-name"><code>offset</code></td><td>The initial index from which to return␣
↪the results.</td></tr>

        <tr><td class="parameter-name"><code>cluster_id</code></td><td></td></tr>

        <tr><td class="parameter-name"><code>prototype_id</code></td><td></td></tr>

        <tr><td class="parameter-name"><code>provider_id</code></td><td></td></tr>

        <tr><td class="parameter-name"><code>fqdn</code></td><td></td></tr>

        <tr><td class="parameter-name"><code>cluster_is_null</code></td><td></td></tr>

        <tr><td class="parameter-name"><code>provider_is_null</code></td><td></td></tr>

    </tbody>
</table>
```

2.3.2 create

POST /api/v1/host/

Create new host

Request Body

The request body should be a "**application/json**" encoded object, containing the following items.

2.3.3 read

GET `/api/v1/host/{host_id}/`

Show host

Path Parameters

The following parameters should be included in the URL path.

2.3.4 delete

DELETE `/api/v1/host/{host_id}/`

Remove host (and all corresponding host services:components)

Path Parameters

The following parameters should be included in the URL path.

2.3.5 action > list

GET `/api/v1/host/{host_id}/action/`

List all actions of a specified host

Path Parameters

The following parameters should be included in the URL path.

```
<h4>Query Parameters</h4>
<p>The following parameters should be included as part of a URL query string.</p>
<table class="parameters table table-bordered table-striped">
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↪</tr>

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↪the results.</td></tr>

    </tbody>
</table>
```

2.3.6 action > read

GET `/api/v1/host/{host_id}/action/{action_id}/`

Show specified action of a specified host

Path Parameters

The following parameters should be included in the URL path.

2.3.7 action > run > create

POST `/api/v1/host/{host_id}/action/{action_id}/run/`

Ran specified action of a specified host

Path Parameters

The following parameters should be included in the URL path.

Request Body

The request body should be a "**application/json**" encoded object, containing the following items.

2.3.8 button > list

GET `/api/v1/host/{host_id}/button/`

List all actions of a specified host

Path Parameters

The following parameters should be included in the URL path.

```
<h4>Query Parameters</h4>
<p>The following parameters should be included as part of a URL query string.</p>
<table class="parameters table table-bordered table-striped">
    <thead>
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↪</tr>

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↪the results.</td></tr>

    </tbody>
</table>
```

2.3.9 button > read

GET `/api/v1/host/{host_id}/button/{action_id}/`

Show specified action of a specified host

Path Parameters

The following parameters should be included in the URL path.

2.3.10 button > run > create

POST `/api/v1/host/{host_id}/button/{action_id}/run/`

Ran specified action of a specified host

Path Parameters

The following parameters should be included in the URL path.

Request Body

The request body should be a "**application/json**" encoded object, containing the following items.

2.3.11 config > list

GET `/api/v1/host/{host_id}/config/`

Show current config for a specified host

Path Parameters

The following parameters should be included in the URL path.

```
<h4>Query Parameters</h4>
<p>The following parameters should be included as part of a URL query string.</p>
<table class="parameters table table-bordered table-striped">
    <thead>
        <tr><th>Parameter</th><th>Description</th></tr>
    </thead>
    <tbody>

        <tr><td class="parameter-name"><code>limit</code></td><td>Number of results to return per page.</td>
↪</tr>

        <tr><td class="parameter-name"><code>offset</code></td><td>The initial index from which to return␣
↪the results.</td></tr>

    </tbody>
</table>
```

2.3.12 config > current > list

GET /api/v1/host/{host_id}/config/current/

Show config for a specified version and host.

Path Parameters

The following parameters should be included in the URL path.

```
<h4>Query Parameters</h4>
<p>The following parameters should be included as part of a URL query string.</p>
<table class="parameters table table-bordered table-striped">
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        <tr><th>Parameter</th><th>Description</th></tr>
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    <tbody>

        <tr><td class="parameter-name"><code>limit</code></td><td>Number of results to return per page.</td>
↪</tr>

        <tr><td class="parameter-name"><code>offset</code></td><td>The initial index from which to return␣
↪the results.</td></tr>

    </tbody>
</table>
```

2.3.13 config > history > list

GET /api/v1/host/{host_id}/config/history/

Show history of config of a specified host

Path Parameters

The following parameters should be included in the URL path.

```
<h4>Query Parameters</h4>
<p>The following parameters should be included as part of a URL query string.</p>
<table class="parameters table table-bordered table-striped">
    <thead>
        <tr><th>Parameter</th><th>Description</th></tr>
    </thead>
    <tbody>

        <tr><td class="parameter-name"><code>limit</code></td><td>Number of results to return per page.</td>
↪</tr>

        <tr><td class="parameter-name"><code>offset</code></td><td>The initial index from which to return␣
↪the results.</td></tr>

    </tbody>
</table>
```

2.3.14 config > history > create

POST `/api/v1/host/{host_id}/config/history/`

Update config of a specified host. Config parameter is json

Path Parameters

The following parameters should be included in the URL path.

Request Body

The request body should be a "**application/json**" encoded object, containing the following items.

2.3.15 config > history > read

GET `/api/v1/host/{host_id}/config/history/{version}/`

Show config for a specified version and host.

Path Parameters

The following parameters should be included in the URL path.

2.3.16 config > history > restore > partial_update

PATCH `/api/v1/host/{host_id}/config/history/{version}/restore/`

Restore config of specified version of a specified host.

Path Parameters

The following parameters should be included in the URL path.

Request Body

The request body should be a "**application/json**" encoded object, containing the following items.

2.3.17 config > previous > list

GET `/api/v1/host/{host_id}/config/previous/`

Show config for a specified version and host.

Path Parameters

The following parameters should be included in the URL path.

```
<h4>Query Parameters</h4>
<p>The following parameters should be included as part of a URL query string.</p>
<table class="parameters table table-bordered table-striped">
    <thead>
        <tr><th>Parameter</th><th>Description</th></tr>
    </thead>
    <tbody>

        <tr><td class="parameter-name"><code>limit</code></td><td>Number of results to return per page.</td>
↪</tr>

        <tr><td class="parameter-name"><code>offset</code></td><td>The initial index from which to return␣
↪the results.</td></tr>

    </tbody>
</table>
```

2.4 job

2.4.1 list

GET /api/v1/job/

List all jobs

```
<h4>Query Parameters</h4>
<p>The following parameters should be included as part of a URL query string.</p>
<table class="parameters table table-bordered table-striped">
    <thead>
        <tr><th>Parameter</th><th>Description</th></tr>
    </thead>
    <tbody>

        <tr><td class="parameter-name"><code>limit</code></td><td>Number of results to return per page.</td>
↪</tr>

        <tr><td class="parameter-name"><code>offset</code></td><td>The initial index from which to return␣
↪the results.</td></tr>

        <tr><td class="parameter-name"><code>action_id</code></td><td></td></tr>

        <tr><td class="parameter-name"><code>task_id</code></td><td></td></tr>

        <tr><td class="parameter-name"><code>pid</code></td><td></td></tr>

        <tr><td class="parameter-name"><code>status</code></td><td></td></tr>

        <tr><td class="parameter-name"><code>start_date</code></td><td></td></tr>

        <tr><td class="parameter-name"><code>finish_date</code></td><td></td></tr>

    </tbody>
</table>
```

2.4.2 read

GET `/api/v1/job/{job_id}/`

Show job

Path Parameters

The following parameters should be included in the URL path.

2.4.3 log > read

GET `/api/v1/job/{job_id}/log/{tag}/{level}/{log_type}/`

Show log file

Path Parameters

The following parameters should be included in the URL path.

2.5 profile

2.5.1 list

GET `/api/v1/profile/`

List all existing user's profiles

```
<h4>Query Parameters</h4>
<p>The following parameters should be included as part of a URL query string.</p>
<table class="parameters table table-bordered table-striped">
    <thead>
        <tr><th>Parameter</th><th>Description</th></tr>
    </thead>
    <tbody>

        <tr><td class="parameter-name"><code>limit</code></td><td>Number of results to return per page.</td>
↪</tr>

        <tr><td class="parameter-name"><code>offset</code></td><td>The initial index from which to return␣
↪the results.</td></tr>

    </tbody>
</table>
```

2.5.2 create

POST `/api/v1/profile/`

Create new user profile

Request Body

The request body should be a "**application/json**" encoded object, containing the following items.

2.5.3 read

GET `/api/v1/profile/{username}/`

Show user profile

Path Parameters

The following parameters should be included in the URL path.

2.5.4 partial_update

PATCH `/api/v1/profile/{username}/`

Edit user profile

Path Parameters

The following parameters should be included in the URL path.

Request Body

The request body should be a "**application/json**" encoded object, containing the following items.

2.5.5 delete

DELETE `/api/v1/profile/{username}/`

delete user and profile

Path Parameters

The following parameters should be included in the URL path.

2.5.6 password > partial_update

PATCH `/api/v1/profile/{username}/password/`

Change user password

Path Parameters

The following parameters should be included in the URL path.

Request Body

The request body should be a "**application/json**" encoded object, containing the following items.

2.6 provider

2.6.1 list

GET `/api/v1/provider/`

List all host providers

```
<h4>Query Parameters</h4>
<p>The following parameters should be included as part of a URL query string.</p>
<table class="parameters table table-bordered table-striped">
    <thead>
        <tr><th>Parameter</th><th>Description</th></tr>
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    <tbody>

        <tr><td class="parameter-name"><code>limit</code></td><td>Number of results to return per page.</td>
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        <tr><td class="parameter-name"><code>offset</code></td><td>The initial index from which to return␣
↪the results.</td></tr>

    </tbody>
</table>
```

2.6.2 create

POST `/api/v1/provider/`

Create new host provider

Request Body

The request body should be a "**application/json**" encoded object, containing the following items.

2.6.3 read

GET `/api/v1/provider/{provider_id}/`

Show host provider

Path Parameters

The following parameters should be included in the URL path.

2.6.4 delete

DELETE /api/v1/provider/{provider_id}/

Remove host provider

Path Parameters

The following parameters should be included in the URL path.

2.6.5 action > list

GET /api/v1/provider/{provider_id}/action/

List all actions of a specified host provider

Path Parameters

The following parameters should be included in the URL path.

```
<h4>Query Parameters</h4>
<p>The following parameters should be included as part of a URL query string.</p>
<table class="parameters table table-bordered table-striped">
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↪the results.</td></tr>

    </tbody>
</table>
```

2.6.6 action > read

GET /api/v1/provider/{provider_id}/action/{action_id}/

Show specified action of a specified host provider

Path Parameters

The following parameters should be included in the URL path.

2.6.7 action > run > create

POST /api/v1/provider/{provider_id}/action/{action_id}/run/

Ran specified action of a specified host provider

Path Parameters

The following parameters should be included in the URL path.

Request Body

The request body should be a "**application/json**" encoded object, containing the following items.

2.6.8 button > list

GET `/api/v1/provider/{provider_id}/button/`

List all actions of a specified host provider

Path Parameters

The following parameters should be included in the URL path.

```
<h4>Query Parameters</h4>
<p>The following parameters should be included as part of a URL query string.</p>
<table class="parameters table table-bordered table-striped">
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↪the results.</td></tr>

    </tbody>
</table>
```

2.6.9 button > read

GET `/api/v1/provider/{provider_id}/button/{action_id}/`

Show specified action of a specified host provider

Path Parameters

The following parameters should be included in the URL path.

2.6.10 button > run > create

POST `/api/v1/provider/{provider_id}/button/{action_id}/run/`

Ran specified action of a specified host provider

Path Parameters

The following parameters should be included in the URL path.

Request Body

The request body should be a "**application/json**" encoded object, containing the following items.

2.6.11 config > list

GET `/api/v1/provider/{provider_id}/config/`

Show current config for a specified host provider

Path Parameters

The following parameters should be included in the URL path.

```
<h4>Query Parameters</h4>
<p>The following parameters should be included as part of a URL query string.</p>
<table class="parameters table table-bordered table-striped">
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↪the results.</td></tr>

    </tbody>
</table>
```

2.6.12 config > current > list

GET `/api/v1/provider/{provider_id}/config/current/`

Show config for a specified version and host provider.

Path Parameters

The following parameters should be included in the URL path.

```
<h4>Query Parameters</h4>
<p>The following parameters should be included as part of a URL query string.</p>
<table class="parameters table table-bordered table-striped">
    <thead>
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    </thead>
    <tbody>
```

```
        <tr><td class="parameter-name"><code>limit</code></td><td>Number of results to return per page.</td>
↪</tr>

        <tr><td class="parameter-name"><code>offset</code></td><td>The initial index from which to return␣
↪the results.</td></tr>

    </tbody>
</table>
```

2.6.13 config > history > list

GET /api/v1/provider/{provider_id}/config/history/

Show history of config of a specified host provider

Path Parameters

The following parameters should be included in the URL path.

```
<h4>Query Parameters</h4>
<p>The following parameters should be included as part of a URL query string.</p>
<table class="parameters table table-bordered table-striped">
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        <tr><td class="parameter-name"><code>limit</code></td><td>Number of results to return per page.</td>
↪</tr>

        <tr><td class="parameter-name"><code>offset</code></td><td>The initial index from which to return␣
↪the results.</td></tr>

    </tbody>
</table>
```

2.6.14 config > history > create

POST /api/v1/provider/{provider_id}/config/history/

Update host provider config. Config parameter is json

Path Parameters

The following parameters should be included in the URL path.

Request Body

The request body should be a "**application/json**" encoded object, containing the following items.

2.6.15 config > history > read

GET `/api/v1/provider/{provider_id}/config/history/{version}/`

Show config for a specified version and host provider.

Path Parameters

The following parameters should be included in the URL path.

2.6.16 config > history > restore > partial_update

PATCH `/api/v1/provider/{provider_id}/config/history/{version}/restore/`

Restore config of specified version of a specified host provider.

Path Parameters

The following parameters should be included in the URL path.

Request Body

The request body should be a "**application/json**" encoded object, containing the following items.

2.6.17 config > previous > list

GET `/api/v1/provider/{provider_id}/config/previous/`

Show config for a specified version and host provider.

Path Parameters

The following parameters should be included in the URL path.

```
<h4>Query Parameters</h4>
<p>The following parameters should be included as part of a URL query string.</p>
<table class="parameters table table-bordered table-striped">
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↪</tr>

        <tr><td class="parameter-name"><code>offset</code></td><td>The initial index from which to return␣
↪the results.</td></tr>

    </tbody>
</table>
```

2.6.18 host > list

GET /api/v1/provider/{provider_id}/host/

List all hosts of specified host provider

Path Parameters

The following parameters should be included in the URL path.

```
<h4>Query Parameters</h4>
<p>The following parameters should be included as part of a URL query string.</p>
<table class="parameters table table-bordered table-striped">
    <thead>
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    </thead>
    <tbody>

        <tr><td class="parameter-name"><code>limit</code></td><td>Number of results to return per page.</td>
↪</tr>

        <tr><td class="parameter-name"><code>offset</code></td><td>The initial index from which to return␣
↪the results.</td></tr>

    </tbody>
</table>
```

2.6.19 host > create

POST /api/v1/provider/{provider_id}/host/

Create new host

Path Parameters

The following parameters should be included in the URL path.

Request Body

The request body should be a "**application/json**" encoded object, containing the following items.

2.6.20 upgrade > list

GET /api/v1/provider/{provider_id}/upgrade/

List all avaliable upgrades for specified host provider

Path Parameters

The following parameters should be included in the URL path.

```
<h4>Query Parameters</h4>
<p>The following parameters should be included as part of a URL query string.</p>
<table class="parameters table table-bordered table-striped">
    <thead>
        <tr><th>Parameter</th><th>Description</th></tr>
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    <tbody>

        <tr><td class="parameter-name"><code>limit</code></td><td>Number of results to return per page.</td>
↪</tr>

        <tr><td class="parameter-name"><code>offset</code></td><td>The initial index from which to return␣
↪the results.</td></tr>

    </tbody>
</table>
```

2.6.21 upgrade > do > create

POST /api/v1/provider/{provider_id}/upgrade/{upgrade_id}/do/

Do upgrade specified host provider

Path Parameters

The following parameters should be included in the URL path.

2.7 stack

2.7.1 list

GET /api/v1/stack/

Operations with stack of services

```
<h4>Query Parameters</h4>
<p>The following parameters should be included as part of a URL query string.</p>
<table class="parameters table table-bordered table-striped">
    <thead>
        <tr><th>Parameter</th><th>Description</th></tr>
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    <tbody>

        <tr><td class="parameter-name"><code>limit</code></td><td>Number of results to return per page.</td>
↪</tr>

        <tr><td class="parameter-name"><code>offset</code></td><td>The initial index from which to return␣
↪the results.</td></tr>

    </tbody>
</table>
```

2.7.2 action > read

GET `/api/v1/stack/action/{action_id}/`

Show action

Path Parameters

The following parameters should be included in the URL path.

2.7.3 bundle > list

GET `/api/v1/stack/bundle/`

List all bundles

```
<h4>Query Parameters</h4>
<p>The following parameters should be included as part of a URL query string.</p>
<table class="parameters table table-bordered table-striped">
    <thead>
        <tr><th>Parameter</th><th>Description</th></tr>
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    <tbody>

        <tr><td class="parameter-name"><code>limit</code></td><td>Number of results to return per page.</td>
↪</tr>

        <tr><td class="parameter-name"><code>offset</code></td><td>The initial index from which to return␣
↪the results.</td></tr>

    </tbody>
</table>
```

2.7.4 bundle > read

GET `/api/v1/stack/bundle/{bundle_id}/`

Show bundle

Path Parameters

The following parameters should be included in the URL path.

2.7.5 bundle > delete

DELETE `/api/v1/stack/bundle/{bundle_id}/`

Remove bundle

Path Parameters

The following parameters should be included in the URL path.

2.7.6 bundle > update > update

PUT /api/v1/stack/bundle/{bundle_id}/update/

update bundle

Path Parameters

The following parameters should be included in the URL path.

Request Body

The request body should be a "**application/json**" encoded object, containing the following items.

2.7.7 cluster > list

GET /api/v1/stack/cluster/

List all cluster types

```
<h4>Query Parameters</h4>
<p>The following parameters should be included as part of a URL query string.</p>
<table class="parameters table table-bordered table-striped">
    <thead>
        <tr><th>Parameter</th><th>Description</th></tr>
    </thead>
    <tbody>

        <tr><td class="parameter-name"><code>limit</code></td><td>Number of results to return per page.</td>
↪</tr>

        <tr><td class="parameter-name"><code>offset</code></td><td>The initial index from which to return␣
↪the results.</td></tr>

        <tr><td class="parameter-name"><code>name</code></td><td></td></tr>

        <tr><td class="parameter-name"><code>bundle_id</code></td><td></td></tr>

    </tbody>
</table>
```

2.7.8 cluster > read

GET /api/v1/stack/cluster/{prototype_id}/

Show cluster prototype

Path Parameters

The following parameters should be included in the URL path.

2.7.9 host > list

GET /api/v1/stack/host/

List all host types

```
<h4>Query Parameters</h4>
<p>The following parameters should be included as part of a URL query string.</p>
<table class="parameters table table-bordered table-striped">
    <thead>
        <tr><th>Parameter</th><th>Description</th></tr>
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        <tr><td class="parameter-name"><code>limit</code></td><td>Number of results to return per page.</td>
↪</tr>

        <tr><td class="parameter-name"><code>offset</code></td><td>The initial index from which to return␣
↪the results.</td></tr>

        <tr><td class="parameter-name"><code>name</code></td><td></td></tr>

        <tr><td class="parameter-name"><code>bundle_id</code></td><td></td></tr>

    </tbody>
</table>
```

2.7.10 host > read

GET /api/v1/stack/host/{prototype_id}/

Show host prototype

Path Parameters

The following parameters should be included in the URL path.

2.7.11 load > create

POST /api/v1/stack/load/

Load bundle

Request Body

The request body should be a "**application/json**" encoded object, containing the following items.

2.7.12 load > servicemap > update

PUT /api/v1/stack/load/servicemap/

2.7.13 prototype > list

GET /api/v1/stack/prototype/

List all stack services

```
<h4>Query Parameters</h4>
<p>The following parameters should be included as part of a URL query string.</p>
<table class="parameters table table-bordered table-striped">
    <thead>
        <tr><th>Parameter</th><th>Description</th></tr>
    </thead>
    <tbody>

        <tr><td class="parameter-name"><code>limit</code></td><td>Number of results to return per page.</td>
↪</tr>

        <tr><td class="parameter-name"><code>offset</code></td><td>The initial index from which to return␣
↪the results.</td></tr>

        <tr><td class="parameter-name"><code>name</code></td><td></td></tr>

        <tr><td class="parameter-name"><code>bundle_id</code></td><td></td></tr>

        <tr><td class="parameter-name"><code>type</code></td><td></td></tr>

    </tbody>
</table>
```

2.7.14 provider > list

GET /api/v1/stack/provider/

List all host providers types

```
<h4>Query Parameters</h4>
<p>The following parameters should be included as part of a URL query string.</p>
<table class="parameters table table-bordered table-striped">
    <thead>
        <tr><th>Parameter</th><th>Description</th></tr>
    </thead>
    <tbody>

        <tr><td class="parameter-name"><code>limit</code></td><td>Number of results to return per page.</td>
↪</tr>

        <tr><td class="parameter-name"><code>offset</code></td><td>The initial index from which to return␣
↪the results.</td></tr>

        <tr><td class="parameter-name"><code>name</code></td><td></td></tr>

        <tr><td class="parameter-name"><code>bundle_id</code></td><td></td></tr>

    </tbody>
</table>
```

2.7.15 provider > read

GET /api/v1/stack/provider/{prototype_id}/

Show host provider prototype

Path Parameters

The following parameters should be included in the URL path.

2.7.16 service > list

GET /api/v1/stack/service/

List all stack services

```
<h4>Query Parameters</h4>
<p>The following parameters should be included as part of a URL query string.</p>
<table class="parameters table table-bordered table-striped">
    <thead>
        <tr><th>Parameter</th><th>Description</th></tr>
    </thead>
    <tbody>

        <tr><td class="parameter-name"><code>limit</code></td><td>Number of results to return per page.</td>
↪</tr>

        <tr><td class="parameter-name"><code>offset</code></td><td>The initial index from which to return␣
↪the results.</td></tr>

        <tr><td class="parameter-name"><code>name</code></td><td></td></tr>

        <tr><td class="parameter-name"><code>bundle_id</code></td><td></td></tr>

    </tbody>
</table>
```

2.7.17 service > read

GET /api/v1/stack/service/{prototype_id}/

Show stack service

Path Parameters

The following parameters should be included in the URL path.

2.7.18 service > action > list

GET /api/v1/stack/service/{service_id}/action/

List all actions of a specified service

Path Parameters

The following parameters should be included in the URL path.

```
<h4>Query Parameters</h4>
<p>The following parameters should be included as part of a URL query string.</p>
<table class="parameters table table-bordered table-striped">
    <thead>
        <tr><th>Parameter</th><th>Description</th></tr>
    </thead>
    <tbody>

        <tr><td class="parameter-name"><code>limit</code></td><td>Number of results to return per page.</td>
↪</tr>

        <tr><td class="parameter-name"><code>offset</code></td><td>The initial index from which to return␣
↪the results.</td></tr>

    </tbody>
</table>
```

2.7.19 upload > create

POST /api/v1/stack/upload/

Request Body

The request body should be a "**multipart/form-data**" encoded object, containing the following items.

2.8 swagger

2.8.1 list

GET /api/v1/swagger/

2.9 task

2.9.1 list

GET /api/v1/task/

List all tasks

```
<h4>Query Parameters</h4>
<p>The following parameters should be included as part of a URL query string.</p>
<table class="parameters table table-bordered table-striped">
    <thead>
        <tr><th>Parameter</th><th>Description</th></tr>
    </thead>
    <tbody>
```

```
        <tr><td class="parameter-name"><code>limit</code></td><td>Number of results to return per page.</td>
↪</tr>

        <tr><td class="parameter-name"><code>offset</code></td><td>The initial index from which to return␣
↪the results.</td></tr>

        <tr><td class="parameter-name"><code>action_id</code></td><td></td></tr>

        <tr><td class="parameter-name"><code>pid</code></td><td></td></tr>

        <tr><td class="parameter-name"><code>status</code></td><td></td></tr>

        <tr><td class="parameter-name"><code>start_date</code></td><td></td></tr>

        <tr><td class="parameter-name"><code>finish_date</code></td><td></td></tr>

    </tbody>
</table>
```

2.9.2 create

POST `/api/v1/task/`

Create and run new task Return handler to new task

2.9.3 read

GET `/api/v1/task/{id}/`

Show task

Path Parameters

The following parameters should be included in the URL path.

2.10 token

2.10.1 create

POST `/api/v1/token/`

Request Body

The request body should be a "**application/json**" encoded object, containing the following items.

2.11 user

2.11.1 list

GET /api/v1/user/

List all existing users

```
<h4>Query Parameters</h4>
<p>The following parameters should be included as part of a URL query string.</p>
<table class="parameters table table-bordered table-striped">
    <thead>
        <tr><th>Parameter</th><th>Description</th></tr>
    </thead>
    <tbody>

        <tr><td class="parameter-name"><code>limit</code></td><td>Number of results to return per page.</td>
↪</tr>

        <tr><td class="parameter-name"><code>offset</code></td><td>The initial index from which to return␣
↪the results.</td></tr>

    </tbody>
</table>
```

2.11.2 create

POST /api/v1/user/

Create new user

Request Body

The request body should be a "**application/json**" encoded object, containing the following items.

2.11.3 read

GET /api/v1/user/{username}/

show user

Path Parameters

The following parameters should be included in the URL path.

2.11.4 delete

DELETE /api/v1/user/{username}/

delete user and profile

Path Parameters

The following parameters should be included in the URL path.

2.11.5 password > partial_update

PATCH `/api/v1/user/{username}/password/`

Change user password

Path Parameters

The following parameters should be included in the URL path.

Request Body

The request body should be a "**application/json**" encoded object, containing the following items.

Глава 3

ArenaData ADCM Status Server Api

Version: 1.2

Глава 4

Intro

Status Server is intended to story and show statuses of various services on all hosts across a cluster. All data are stored in RAM, so after restart all statuses will be lost. After s specified timeout (by default 2 minutes) stored status value for given host and service will be cleared out

Глава 5

API Sections

Host Component Status

Cluster Service Status

Job Status WebSocket

Service Status WebSocket

5.1 Host/Component Status

5.1.1 Read

GET `/status/api/v1/host/{host_id}/component/{component_id}/`

Show value of status value for specified host and component ids.

Path Parameters

The following parameters should be included in the URL path.

5.1.2 Create or Update

POST `/status/api/v1/host/{host_id}/component/{component_id}/`

Create new status value or update existing status value for specified host and component ids. Status should be integer. 0 means ok, any other number means error

Path Parameters

The following parameters should be included in the URL path.

Request Body

The request body should be a "**application/json**" encoded object, containing the following items.

5.2 Cluster Service Status

5.2.1 Read

GET `/status/api/v1/cluster/{cluster_id}/service/{service_id}/`

Show value of status value for specified cluster and service ids.

Path Parameters

The following parameters should be included in the URL path.

5.3 Job Status WebSocket

WS `/ws/job/`

Init webscoket with stream of task and job statuses. Any message in stream is a JSON in format:

`{"type":"job "id":5,"status":"run"}` or `{"type":"task "id":5,"status":"run"}`

5.4 Service Status WebSocket

WS `/ws/service/`

Init webscoket with stream of service statuses. Any message in stream is a JSON in format:

`{"type":"service "cluster":"1 "service":"5 "status":1}`

Глава 6

ArenaData ADCM Webscoket API

6.1 Job Webscoket API

To open WS make **GET** request to

```
"ws://" + document.location.host + "/ws/job/"
```

After that you start to recive **JSON** messages:

```
{"type":"job", "id":123, "status":"running"}
```

Statuses can be:

- running
- success
- failed