

Management commands execution:

Management commands can be executed using parser action API, the management commands are sent to the internal services like either cluster controller or to the various internal services of the block via the cluster controller gateway. Parser can be used to perform initial template validation in case of management commands execution.

Executing Management Commands via Parser

The Parser supports executing predefined management commands on either **blocks** or **clusters**. This is handled through the `executeMgmtCommand` action.

Target Scope

Target	Required Field	Supported Services
Block	<code>blockId</code>	<code>instances</code> , <code>executor</code> , <code>autoscaler</code> , <code>health</code>
Cluster	<code>clusterId</code>	<code>stability_checker</code>

Either `blockId` or `clusterId` must be provided depending on the target.

Required Fields in Request

Field	Type	Required	Description
<code>blockId</code>	string	Yes*	ID of the target block (if block-level command).
<code>clusterId</code>	string	Yes*	ID of the target cluster (if cluster-level command).
<code>service</code>	string	Yes	Target service component (e.g., <code>executor</code> , <code>stability_checker</code>).
<code>mgmtCommand</code>	string	Yes	The command to execute.
<code>mgmtData</code>	object	No	Additional data required by the command.

* Either `blockId` or `clusterId` must be set — not both.

Example Payload (Block-Level Command)

```
{
  "header": {
    "templateUri": "Parser/V1",
    "parameters": {}
  },
  "body": {
    "spec": {
      "values": {
        "blockId": "block-xyz-001",
        "service": "executor",
        "mgmtCommand": "restart",
        "mgmtData": {
          "force": true
        }
      }
    }
  }
}
```

Example Payload (Cluster-Level Command)

```
{
  "header": {
    "templateUri": "Parser/V1",
    "parameters": {}
  },
  "body": {
    "spec": {
      "values": {
        "clusterId": "cluster-west-vision-001",
        "service": "stability_checker",
        "mgmtCommand": {},
        "mgmtData": {}
      }
    }
  }
}
```

curl Command

```
curl -X POST http://<parser-host>:<port>/api/executeMgmtCommand \
-H "Content-Type: application/json" \
```

```
-d '{
  "header": {
    "templateUri": "Parser/V1",
    "parameters": {}
  },
  "body": {
    "spec": {
      "values": {
        "blockId": "block-xyz-001",
        "service": "executor",
        "mgmtCommand": "",
        "mgmtData": {}
      }
    }
  }
}'
```

Replace `blockId` with `clusterId` and `service` accordingly for cluster-level commands.