

IBM Cognos Command Center
Version 10.2.2.0

Web Services User Guide



Note

Before using this information and the product it supports, read the information in "Notices" on page 31.

Product Information

This document applies to IBM Cognos Command Center Version 10.2.2 and may also apply to subsequent releases.

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Introduction

The IBM® Cognos® Command Center® Web Services interfaces provide SOAP and REST web services that runs on top of HTTP. You can use these interfaces to write applications that perform Cognos Command Center tasks.

IBM Cognos Command Center provides a centralized, fully integrated, secure, and highly extensible environment for system monitoring and automation.

To use the Web Services interface, you should be knowledgeable about IBM Cognos Command Center concepts and general use of the product. For more information, see the *IBM Cognos Command Center Administration Guide*.

For information about product installation or configuration information related to RDBMS (relational database management systems), see the *IBM Cognos Command Center Installation Guide*.

Finding information

To find product documentation on the web, including all translated documentation, access IBM Knowledge Center (<http://www.ibm.com/support/knowledgecenter>).

Accessibility features

IBM Cognos Command Center does not currently support accessibility features that help users with a physical disability, such as restricted mobility or limited vision, to use this product.

Forward-looking statements

This documentation describes the current functionality of the product. References to items that are not currently available may be included. No implication of any future availability should be inferred. Any such references are not a commitment, promise, or legal obligation to deliver any material, code, or functionality. The development, release, and timing of features or functionality remain at the sole discretion of IBM.

Chapter 1. What's new?

This section contains a list of new, changed, and deprecated features for this and previous releases. You can use it to plan your upgrade and application deployment strategies and the training requirements for your users.

New features in version 10.2.2

The IBM Cognos Command Center REST API was added. Use this API to send HTTP Secure (HTTPS) requests to the Cognos Command Center server to run the following Cognos Command Center tasks:

- Logging on to, and off from, the Cognos Command Center server.
- Retrieving all ecosystems, environments, and processes available to the currently logged on user.
- Retrieving all process variables for a process.
- Retrieving the last run of a process.
- Starting a new run of a process.
- Retrieving, restarting, pausing, or stopping a specific process run.
- Retrieving the status of an asynchronous run of a process.

For more information, see Chapter 6, “Using the Cognos Command Center REST API,” on page 13.

Chapter 2. Configuring the Web Services interface

Before you can use the IBM Cognos Command Center Web Services interface, there are configuration tasks that you must complete.

About this task

The Cognos Command Center Web Services component is available in the standard edition.

To configure and enable the Web Services interface, you set the following properties:

Enable API

Set to true to enable the Web Services interface.

Hostname

The base address for the Web Services. Set the address to the external IP address of the host where the Cognos Command Center server is running.

Port The port that hosts the Web Services interface.

Username

The name of an existing Cognos Command Center user. All requests that are received on the Web Services interface are processed under this user identity. To manage what is exposed on the Web Services interface, you can restrict the access for this Cognos Command Center user.

Procedure

1. Log on to Cognos Command Center.
2. Click **Tools > System Configuration**, and enter or select values for the properties in the **Web Service Listener** subsystem.
3. Restart the Cognos Command Center server.

Security for the Web Services interface

The IBM Cognos Command Center Web Services interface is an open service. You can secure it by using a firewall and limiting the access rights of users.

A firewall can restrict the location from which incoming connections can be made. Setting access rights for users that are assigned to the interface, controls what can be managed through the Web Services interface. For information on setting access rights for users, see the *IBM Cognos Command Center Administration Guide*.

Chapter 3. Service reference

In IBM Cognos Command Center, you can use the Web Services interface to perform operations with APIs.

Use the Web Services interface to perform the following operations:

- Pause a running process
- Query the state of a process
- Resume a paused process
- Query the state of a process
- Start a process
- Stop a running process

PauseProcess

In the IBM Cognos Command Center Web Services interface, use the PauseProcess operation to pause a running process.

To pause a running process, use the following operation:

Table 1. PauseProcess request

Property	Type	Description
processId	int	The job id of the process to pause.

Table 2. PauseProcess response

Property	Type	Description
HasException	boolean	A flag that signals if the operation failed. For a successful operation, the value is false.
ExceptionInfo	string	Holds an error message if HasException is true.

QueryProcess

In the IBM Cognos Command Center Web Services interface, use the QueryProcess operation to query the state of a process.

To query the state of a process, use the following operation:

Table 3. QueryProcess request

Property	Type	Description
processId	int	The job id of the process to query.

Table 4. QueryProcess response

Property	Type	Description
State	string	The state of the process. Only set if HasException is false. The state is one of: running, canceling, canceled, pausing, paused, failed, completed, or waiting to retry.

Table 4. QueryProcess response (continued)

Property	Type	Description
HasException	boolean	A flag that signals if the operation failed. For a successful operation, the value is false.
ExceptionInfo	string	Holds an error message if HasException is true.

ResumeProcess

In the IBM Cognos Command Center Web Services interface, use the ResumeProcess operation to resume a process that is paused.

To resume a process that is paused, use the following operation:

Table 5. ResumeProcess request

Property	Type	Description
processId	int	The job id of the process to resume.

Table 6. ResumeProcess response

Property	Type	Description
HasException	boolean	A flag that signals if the operation failed. For a successful operation, the value is false.
ExceptionInfo	string	Holds an error message if HasException is true.

StartProcess

In the IBM Cognos Command Center Web Services interface, use the StartProcess operation to start a process.

To start a process, use the following operation:

Table 7. StartProcess request

Property	Type	Description
ecosystem	string	Name of the ecosystem that contains the process to start.
environment	string	Name of the environment to run the process in.
process	string	Name of the process to start.
args	array of {name, value}	List of ecosystem and process variable {name,value} pairs. Use this to provide values for variables that are checked as prompt .

Table 8. StartProcess response

Property	Type	Description
ProcessId	int	The job id of the process that has started. Only set if HasException is false.
HasException	boolean	A flag that signals if the operation failed. For a successful operation, the value is false.
ExceptionInfo	string	Holds an error message if HasException is true.

StopProcess

In the IBM Cognos Command Center Web Services interface, use the StopProcess operation to stop a process.

To stop a process, use the following operation:

Table 9. StopProcess request

Property	Type	Description
processId	int	The job id of the process to stop.

Table 10. StopProcess response

Property	Type	Description
HasException	boolean	A flag that signals if the operation failed. For a successful operation, the value is false.
ExceptionInfo	string	Holds an error message if HasException is true.

Chapter 4. Web Services Description Language

The Web Services Description Language (WSDL) for the IBM Cognos Command Center Web Services is distributed with the Cognos Command Center server installation.

The WSDL is in the `INSTALLDIR\Server\config\schemas.staranalytics.com.sfcc.wsdl` file.

Additionally, the Cognos Command Center Web Services interface enables clients to query the service definition at run time. The WSDL is available by querying `http://serverhost:9003/Sfcc?wsdl`.

Chapter 5. Testing the Web Services interface

You can test and demonstrate the IBM Cognos Command Center Web Services interface by using a web services browser. The following procedure uses the open source soapUI tool.

Before you begin

This test example shows how to start a process through the Web Services interface. The test requires a process that can be started in the Cognos Command Center repository and assumes the following objects exist in the Command Center repository:

- An ecosystem named WS Test that contains an environment named WS Test.
- A process named WS Test that has a process variable named MSG.

Procedure

1. Start soapUI and create a new project.

Tip: The WSDL file is in `INSTALLDIR\Server\config\schemas.staranalytics.com.sfcc.wsdl`.

2. Double-click on the Projects > StartProcess > Request node in the navigator.
3. In the Request window, edit the endpoint of the url to point to Cognos Command Center. For example, `http://127.0.0.1:9003/Sfcc`.

4. In the Request window, Edit the SOAP header to include the to address. For example,

```
<soap:Header>
  <To soap:mustUnderstand="1" xmlns="http://www.w3.org/2005/08/addressing">
    http://127.0.0.1:9003/Sfcc
  </To>
</soap:Header>
```

5. Edit the SOAP body to include names that match the target Cognos Command Center system and optionally, add ecosystem and process variable values. For example,

```
<soap:Body>
  <sfcc: StartProcess>
    <sfcc:ecosystem>WS Test</sfcc:ecosystem>
    <sfcc:environment>WS Test</sfcc:environment>
    <sfcc:process>WS Test</sfcc:process>
    <sfcc:args>
      <sfcc:NameValuePair>
        <sfcc:Name>MSG</sfcc:Name>
        <sfcc:Value>Hello from soapUI</sfcc:Value>
      </sfcc:NameValuePair>
    </sfcc:args>
  </sfcc: StartProcess>
</soap:Body>
```

6. Issue the request from the soapUI tool and inspect the result.

Chapter 6. Using the Cognos Command Center REST API

The IBM Cognos Command Center REST API automates the functions available in the IBM Cognos Command Center. The API uses the representational state transfer (REST) web services architecture.

Use the Cognos Command Center REST API to send HTTP Secure (HTTPS) requests to the Cognos Command Center server to run the following Cognos Command Center tasks:

- Logging on to, and off from, the Cognos Command Center server.
- Retrieving all ecosystems, environments, and processes available to the currently logged on user.
- Retrieving all process variables for a process.
- Retrieving the last run of a process.
- Starting a new run of a process.
- Retrieving, restarting, pausing, or stopping a specific process run.
- Retrieving the status of an asynchronous run of a process.

The response from the server contains data about any actions that are run. Data sent to and retrieved from the server is in the JavaScript Object Notation (JSON) format.

Configuring Cognos Command Center for the REST API

Before you use the REST API, you must configure it in IBM Cognos Command Center.

Procedure

1. Log on to Cognos Command Center.
2. Click **Tools > System Configuration**.
3. In the **REST API** subsystem, set the value of **Enable API** to true. You can also modify the default port number and the session timeout value, which is in minutes.
4. In the **Event Listener** subsystem, set the value of **Request Queue Length** to the maximum number of running and pending asynchronous runs of a process allowed. If this value is 0, asynchronous runs of processes are not available using the REST API.
5. Restart the Cognos Command Center server.

Cognos Command Center HTTP request structure

The IBM Cognos Command Center HTTP request can be generated by the web libraries available with most programming languages. The parts of the HTTP request are described here.

Attention:

The CCC REST API uses URIs to refer to ecosystems, processes, and environments. For example, when starting a process, you do a POST on `/ccc/ecosystem/environment/process/X/Y/Z`, where X, Y and Z are names chosen by the user.

If X, Y, or Z contains a forward slash, then you cannot refer to these. The HTTP standard does not support a forward slash as part of a path element.

HTTP method

The IBM Cognos Command Center API HTTP request uses the 4 common HTTP methods: GET, POST, PUT, and DELETE.

HTTP Secure path

The HTTP Secure path is based on the URL of the Cognos Command Center server and has the following form:

`https://<server_name>:<port>/ccc/<command>/...`

The default port number is 9004.

Request headers

If you are sending data in the entity-body, you must include a Content-Type: `application/json` header.

Entity-body

Many commands require that you submit data in the entity-body. This data is packaged as a JSON object. The data that is required is described in the documentation for the individual commands. Consider the following issues when you create the JSON object:

- The names in the name-value pairs are case-sensitive.
- The name-value pairs can be entered in any order.

Cognos Command Center HTTP response structure

The parts of the HTTP response are described here.

Response code

The response code from a Cognos Command Center request varies depending on the command. The possible response codes are described in the documentation for each command.

Response headers

The response headers contain cookies and other information. There is a Content-Type: application/json;charset=utf-8 header if the response includes a JSON object.

Entity-body

The entity-body consists of a JSON object that contains the response to a request. The data that is returned is described in the documentation for the individual commands. A request returns an empty JSON object if the command ran and no response is needed.

Cognos Command Center REST authentication

When using the REST API you must authenticate to the IBM Cognos Command Center server.

You can authenticate in either of two ways:

- You can authenticate by using the login command.
- You can include an Authorization header in your REST command. The contents of the Authorization header are Basic <base64_encoded_username> <base64_encoded_password>.

For example, Authorization:Basic RnJlZA== c2VjcmV0.

The response to the authentication request contains a cookie that authenticates the user for subsequent commands. This cookie expires after the session timeout value and is reset with each new authentication request. The session timeout value has a default value of 30 minutes and can be modified in **System Configuration**. For more information, see “Configuring Cognos Command Center for the REST API” on page 13.

Cognos Command Center REST command reference

The IBM Cognos Command Center REST commands are described in the following topics.

login

Logs a user in to the IBM Cognos Command Center server. The response to the login command includes a cookie that authenticates the user for subsequent commands.

Syntax

`https://<server_name>:<port>/ccc/login`

HTTP method

POST

Input JSON object

username

The user to log in.

password

The password of the user.

Sample

```
{
  "userName": "Fred",
  "password": "secret"
}
```

Output JSON object

Not applicable.

Response codes

- | | |
|-----|----------------------------------|
| 204 | The user logged in successfully. |
| 401 | The user could not be logged in. |

logoff

Logs a user off from the IBM Cognos Command Center server.

Syntax

`https://<server_name>:<port>/ccc/logout`

HTTP method

DELETE

Input JSON object

Not applicable.

Output JSON object

Not applicable.

Response codes

- | | |
|-----|---|
| 204 | The logoff was successful. |
| 401 | The logoff was unsuccessful because the user was not logged in. |

ecosystems/processes

Retrieves a list of ecosystems, processes, and environments available for the user in the IBM Cognos Command Center server.

Syntax

`https://<server_name>:<port>/ccc/ecosystems/processes`

HTTP method

GET

Input JSON object

Not applicable.

Output JSON object

Array of

ecosystem

Ecosystem name.

environments

Array of environment names.

processes

Array of

name Process name.

access_level

Access level of the logged in user to the process.

One of Read, Execute, Write, or Create. For more information, see the topic on security in the *IBM Cognos Command Center Administration Guide*.

Sample

```
[
  {
    "ecosystem": "CogBI",
    "environments": [
      "Default"
    ],
    "processes": [
      {
        "name": "ListReports",
        "access_level": "Create"
      },
      {
        "name": "MakDir",
        "access_level": "Create"
      },
      {
        "name": "runrep",
        "access_level": "Create"
      }
    ]
  },
  {
    "ecosystem": "Misc",
    "environments": ["Default"],
    "processes": []
  }
]
```

Response codes

- | | |
|-----|--|
| 200 | The command was successful. |
| 401 | The command was unsuccessful because the user was not logged in. |

ecosystem/environment/process/variables

Retrieves a list of all process variables for a specific process.

Syntax

`https://<server_name>:<port>/ccc/ecosystem/environment/process/variables/<ecosystem_name>/<environment_name>/<process_name>`

HTTP method

GET

Input JSON object

Not applicable.

Output JSON object

ecosystem

Ecosystem name.

environment

Environment name.

process

Process name.

variables

Array of

Name Process variable name.

Prompt

true if the variable is a prompt value. false otherwise.

Encrypt

true if the variable is encrypted. false otherwise.

Value Process variable value. Empty if the variable is encrypted.

Sample

```
{
  "ecosystem": "CogBI",
  "environment": "Default",
  "process": "MakDir",
  "variables":
  [
    {
      "Name": "var1",
      "Prompt": true,
      "Encrypt": false,
      "Value": "val1"
    },
    {
      "Name": "var2",
      "Prompt": false,
      "Encrypt": false,
      "Value": "val2"
    },
    {
      "Name": "var3",
      "Prompt": false,
      "Encrypt": true,
      "Value": ""
    }
  ]
}
```

Response codes

- | | |
|------------|--|
| 200 | The command was successful. |
| 401 | The command was unsuccessful because the user was not logged in. |
| 404 | The command was unsuccessful because the object does not exist or the user does not have access to it. |

ecosystem/environment/process/run

Retrieves the last run of a process or starts a new run of a process.

Syntax

`https://<server_name>:<port>/ccc/ecosystem/environment/process/run/
<ecosystem_name>/<environment_name>/<process_name>`

Retrieve the last run of a process**HTTP method**

GET

Input JSON object

Not applicable.

Output JSON object

ecosystem	Ecosystem name.
environment	Environment name.
process	Process name.
access_level	Access level of the logged in user to the process. One of Read, Execute, Write, or Create. For more information, see the topic on security in the <i>IBM Cognos Command Center Administration Guide</i> .
state	State of the process. One of NotStarted, StartingUp, Running, Cancelling, Cancelled, Pausing, Paused, Failed, Completed, Warning, WaitingToRetry, or Skipped.
run_id	Process run identifier.
start_time	UTC time stamp of the process run start time in ISO 8601 format. For example, 2015-01-22T12:43:40Z
end_time	UTC time stamp of the process run start time in ISO 8601 format. Empty if the process is still running.
result_text	The result text of the process. Empty if the process is still running.
last_modified	UTC time stamp of the last process run modification in ISO 8601 format.
last_modified_user	Name of the user who last modified this process run.
run_details_url	URL of the web page that contains the run details of the process. The IBM Cognos Command Center web client must be installed and configured to view this web page.

Sample

```
{
  "ecosystem": "CogBI",
  "environment": "Default",
  "process": "runrep",
  "access_level": "Create",
  "state": "Cancelled",
  "run_id": 1018,
  "start_time": "2015-01-26T19:22:25Z",
  "end_time": "2015-01-26T19:24:55Z",
  "result_text": "",
  "last_modified": "2015-01-26T19:24:55Z",
  "last_modified_user": "DEFAULT",
  "run_details_url": "https://localhost:8180/Process/Details/1018"
}
```

Response codes

200	The command was successful.
-----	-----------------------------

- 401 The command was unsuccessful because the user was not logged in.
- 404 The command was unsuccessful because the object does not exist or the user does not have access to it.

Start a new run of a process

HTTP method

POST

Input JSON object (optional)

request_mode (optional)

Specifies whether the server queues the run and responds immediately (value of **async**) or responds only when the run is complete (value of **sync**).

The default value is **sync**.

variables (optional)

Specifies process variable values to be used for this run.

Array of

name Process variable name.

value Process variable value for this run.

Sample

```
{
  "request_mode": "async",
  "variables": [
    {
      "name": "var1",
      "value": "val1a"
    },
    {
      "name": "var2",
      "value": "val2a"
    }
  ]
}
```

Output JSON object (async run)

ecosystem

Ecosystem name.

environment

Environment name.

process

Process name.

run_id

Process run identifier. Only set if the value of **state** is **Active** or **Processed**.

run_details_url

URL of the web page that contains the run details of the process. Only set if the value of **state** is **Active** or **Processed**. The Cognos Command Center web client must be installed and configured to view this web page.

request_id

Identifier of the request in the Event Listener Queue.

state State of the process. One of Active, Pending, Failed, or Processed.

message

A description of the result of the request.

Sample

```
{
  "ecosystem": "CogBI",
  "environment": "Default",
  "process": "runrep",
  "run_id": "1028",
  "run_details_url": "https://localhost:8180/Process/Details/1028",
  "request_id": 1010,
  "state": "Active",
  "message": "Processing started."
}
```

Output JSON object (sync run)**ecosystem**

Ecosystem name.

environment

Environment name.

process

Process name.

run_id

Process run identifier.

state State of the process. One of Cancelled, Failed, Completed, or Warning.

start_time

UTC time stamp of the process run start time in ISO 8601 format.
For example, 2015-01-22T12:43:40Z

end_time

UTC time stamp of the process run start time in ISO 8601 format.
Empty if the process is still running.

result_text

The result text of the process. Empty if the process is still running.

run_details_url

URL of the web page that contains the run details of the process.
The Cognos Command Center web client must be installed and configured to view this web page.

Sample

```
{
  "ecosystem": "CogBI",
  "environment": "Default",
  "process": "runrep",
  "run_id": 1021,
  "state": "Failed",
  "start_time": "2015-02-05T16:51:58Z",
  "end_time": "2015-02-05T16:52:03Z",
  "result_text": "Task Run Report failed.",
  "run_details_url": "https://localhost:8180/Process/Details/1021"
}
```

Response codes

- 200 The command was successful.
- 401 The command was unsuccessful because the user was not logged in.
- 404 The command was unsuccessful because the object does not exist or the user does not have access to it.
- 409 The command was unsuccessful because an instance of the process is running or paused. This response code is only applicable to sync runs.

ecosystem/environment/process/run - particular run ID

Retrieves, restarts, pauses, or stops a specific process run.

Syntax

`https://<server_name>:<port>/ccc/ecosystem/environment/process/run/<ecosystem_name>/<environment_name>/<process_name>/<run_id>`

Retrieve a specific run of a process

HTTP method

GET

Input JSON object

Not applicable.

Output JSON object

ecosystem

Ecosystem name.

environment

Environment name.

process

Process name.

access_level

Access level of the logged in user to the process. One of Read, Execute, Write, or Create. For more information, see the topic on security in the *IBM Cognos Command Center Administration Guide*.

state

State of the process. One of NotStarted, StartingUp, Running, Cancelling, Cancelled, Pausing, Paused, Failed, Completed, Warning, WaitingToRetry, or Skipped.

run_id

Process run identifier.

start_time

UTC time stamp of the process run start time in ISO 8601 format. For example, 2015-01-22T12:43:40Z

end_time

UTC time stamp of the process run start time in ISO 8601 format. Empty if the process is still running.

result_text

The result text of the process. Empty if the process is still running.

last_modified

UTC time stamp of the last process run modification in ISO 8601 format.

last_modified_user

Name of the user who last modified this process run.

run_details_url

URL of the web page that contains the run details of the process.
The IBM Cognos Command Center web client must be installed and configured to view this web page.

Sample

```
{
  "ecosystem": "CogBI",
  "environment": "Default",
  "process": "runrep",
  "access_level": "Create",
  "state": "Failed",
  "run_id": 1021,
  "start_time": "2015-02-05T16:51:58Z",
  "end_time": "2015-02-05T16:52:03Z",
  "result_text": "Task Run Report failed.",
  "last_modified": "2015-02-05T16:51:58Z",
  "last_modified_user": "Fred",
  "run_details_url": "https://localhost:8180/Process/Details/1021"
}
```

Response codes

- | | |
|------------|--|
| 200 | The command was successful. |
| 401 | The command was unsuccessful because the user was not logged in. |
| 404 | The command was unsuccessful because the object does not exist or the user does not have access to it. |

Restart a currently paused run of a process**HTTP method**

POST

Input JSON object (optional)**request_mode**

Specifies whether the server queues the run and responds immediately (value of `async`) or responds only when the run is complete (value of `sync`).

The default value is `sync`.

Sample

```
{
  "request_mode": "async"
}
```

Output JSON object (async run)**ecosystem**

Ecosystem name.

environment

Environment name.

process

Process name.

run_id

Process run identifier.

run_details_url

URL of the web page that contains the run details of the process.
The Cognos Command Center web client must be installed and configured to view this web page.

Sample

```
{
  "ecosystem": "CogBI",
  "environment": "Default",
  "process": "runrep",
  "run_id": 1020,
  "run_details_url": "https://localhost:8180/Process/Details/1020"
}
```

Output JSON object (sync run)**ecosystem**

Ecosystem name.

environment

Environment name.

process

Process name.

run_id

Process run identifier.

state

State of the process. One of Cancelled, Failed, Completed, or Warning.

start_time

UTC time stamp of the process run start time in ISO 8601 format.
For example, 2015-01-22T12:43:40Z

end_time

UTC time stamp of the process run start time in ISO 8601 format.
Empty if the process is still running.

result_text

The result text of the process. Empty if the process is running.

run_details_url

URL of the web page that contains the run details of the process.
The Cognos Command Center web client must be installed and configured to view this web page.

Sample

```
{
  "ecosystem": "CogBI",
  "environment": "Default",
  "process": "runrep",
  "run_id": 1021,
  "state": "Failed",
  "start_time": "2015-02-05T16:51:58Z",
  "end_time": "2015-02-05T16:52:03Z",
  "result_text": "Task Run Report failed.",
  "run_details_url": "https://localhost:8180/Process/Details/1021"
}
```

Response codes**200**

The command was successful.

401

The command was unsuccessful because the user was not logged in.

- 404 The command was unsuccessful because the object does not exist or the user does not have access to it.
- 409 The command was unsuccessful because the process run is running or has completed.

Pause a currently running process

HTTP method

PUT

Input JSON object (optional)

request_mode

Specifies whether the server queues the run and responds immediately (value of `async`) or responds only when the run is complete (value of `sync`).

The default value is `sync`.

Sample

```
{
  "request_mode": "async"
}
```

Output JSON object (async run)

ecosystem

Ecosystem name.

environment

Environment name.

process

Process name.

run_id

Process run identifier.

run_details_url

URL of the web page that contains the run details of the process. The Cognos Command Center web client must be installed and configured to view this web page.

Sample

```
{
  "ecosystem": "CogBI",
  "environment": "Default",
  "process": "runrep",
  "run_id": 1020,
  "run_details_url": "https://localhost:8180/Process/Details/1020"
}
```

Output JSON object (sync run)

ecosystem

Ecosystem name.

environment

Environment name.

process

Process name.

run_id

Process run identifier.

- state** State of the process. One of Cancelled, Failed, Completed, or Warning.
- start_time** UTC time stamp of the process run start time in ISO 8601 format. For example, 2015-01-22T12:43:40Z
- end_time** UTC time stamp of the process run start time in ISO 8601 format. Empty if the process is still running.
- result_text** The result text of the process. Empty if the process is running.
- run_details_url** URL of the web page that contains the run details of the process. The Cognos Command Center web client must be installed and configured to view this web page.

Sample

```
{
  "ecosystem": "CogBI",
  "environment": "Default",
  "process": "runrep",
  "run_id": 1021,
  "state": "Failed",
  "start_time": "2015-02-05T16:51:58Z",
  "end_time": "2015-02-05T16:52:03Z",
  "result_text": "Task Run Report failed.",
  "run_details_url": "https://localhost:8180/Process/Details/1021"
}
```

Response codes

- 200** The command was successful.
- 401** The command was unsuccessful because the user was not logged in.
- 404** The command was unsuccessful because the object does not exist or the user does not have access to it.
- 409** The command was unsuccessful because the process run has completed or is paused.

Stop a currently running process

HTTP method

DELETE

Input JSON object (optional)

request_mode

Specifies whether the server queues the run and responds immediately (value of async) or responds only when the run is complete (value of sync).

The default value is sync.

Sample

```
{
  "request_mode": "async"
}
```

Output JSON object (async run)

ecosystem

Ecosystem name.

environment

Environment name.

process

Process name.

run_id

Process run identifier.

run_details_url

URL of the web page that contains the run details of the process.
The Cognos Command Center web client must be installed and configured to view this web page.

Sample

```
{
  "ecosystem": "CogBI",
  "environment": "Default",
  "process": "runrep",
  "run_id": 1020,
  "run_details_url": "https://localhost:8180/Process/Details/1020"
}
```

Output JSON object (sync run)**ecosystem**

Ecosystem name.

environment

Environment name.

process

Process name.

run_id

Process run identifier.

state

State of the process. One of Cancelled, Failed, Completed, or Warning.

start_time

UTC time stamp of the process run start time in ISO 8601 format.
For example, 2015-01-22T12:43:40Z

end_time

UTC time stamp of the process run start time in ISO 8601 format.
Empty if the process is still running.

result_text

The result text of the process. Empty if the process is running.

run_details_url

URL of the web page that contains the run details of the process.
The Cognos Command Center web client must be installed and configured to view this web page.

Sample

```
{
  "ecosystem": "CogBI",
  "environment": "Default",
  "process": "runrep",
  "run_id": 1021,
  "state": "Failed",

```

```

    "start_time":"2015-02-05T16:51:58Z",
    "end_time":"2015-02-05T16:52:03Z",
    "result_text":"Task Run Report failed.",
    "run_details_url":"https://localhost:8180/Process/Details/1021"
  }

```

Response codes

200	The command was successful.
401	The command was unsuccessful because the user was not logged in.
404	The command was unsuccessful because the object does not exist or the user does not have access to it.
409	The command was unsuccessful because the process run has already completed.

request

Retrieves the status of an asynchronous process run request.

Syntax

`https://<server_name>:<port>/ccc/request/<request_id>`

The value of `<request_id>` is the value of **request_id** in the response to an asynchronous process run request.

Retrieve the status an asynchronous process run request

HTTP method

GET

Input JSON object

Not applicable.

Output JSON object

ecosystem

Ecosystem name.

environment

Environment name.

process

Process name.

run_id

Process run identifier. Only set if the value of **state** is Active or Processed.

run_details_url

URL of the web page that contains the run details of the process. Only set if the value of **state** is Active or Processed. The Cognos Command Center web client must be installed and configured to view this web page.

request_id

Identifier of the request in the Event Listener Queue.

state State of the process. One of Active, Pending, Failed, or Processed.

message

A description of the result of the request.

Sample

```
{
  "ecosystem": "CogBI",
  "environment": "Default",
  "process": "runrep",
  "run_id": "1028",
  "run_details_url": "https://localhost:8180/Process/Details/1028",
  "request_id": 1010,
  "state": "Processed",
  "message": "Completed successfully."
}
```

Response codes

- | | |
|------------|--|
| 200 | The command was successful. |
| 401 | The command was unsuccessful because the user was not logged in. |
| 404 | The command was unsuccessful because the object does not exist or the user does not have access to it. |

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