

Boots IT Dashboard

Web interfaces

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# EXECUTIVE SUMMARY

Purpose of this document is to provide overview of web interfaces (Web APIs) exposed by dashboard project. These APIs can be consumed by applications to send status data to dashboard. The APIs act as the gateway between dashboard and other monitoring tools. This document summarizes web service endpoints and usage.

# TERMINOLOGIES USED

|  |  |
| --- | --- |
| Term | Description |
| Dashboard Application | The application which monitor other systems and/or shows status information of other systems to end user |
| Client Application | The application whose status information is shown in dashboard application |
| Application Component | Components of a client application being monitored or whose information is shown in dashboard |
| CBP | Critical Business Process |
| API | Application Programming Interface |

# INTERFACES

At the time of writing this document, web service is hosted on a temporary server, which will be moved to a production server when it is ready.

The current host is: <http://centds4vvcn2/gateway>.

Protocol: HTTP

## APPLICATION STATUS

This API can be used to update status of an application in dashboard. A unique identifier is required and which needs to be same as configured in dashboard application. The data can be sent by either request body or URL.

### DATA IN REQUEST BODY

|  |  |
| --- | --- |
| End Point | *[protocol]*://*[host]*/api/applicationstatus |
| Method | POST |
| Supported Content Type(s) | application/json |
| Request Body | {  "Identifier": "*[ID of the application]*",  "Status" : *[Status 0 = Fail, 5 = Warning, 10 = Success]*,  "StatusMessage" : "*[Description to status]*",  “UpdatedOn”: *[UTC Timestamp in ISO format indicating when the information has updated. This field is optional and will be using current timestamp by default, if not sent]*  } |
| Attachment | N/A |
| Return Data | true/false |

### DATA IN URL

|  |  |
| --- | --- |
| End Point | *[protocol]*://*[host]*/api/applicationstatus?identifier*=[ID of the application]*&status=*[Status 0 = Fail, 5 = Warning, 10 = Success]*&statusmessage=*[Description to status]* |
| Method | POST |
| Supported Content Type(s) | application/json |
| Request Body | N/A |
| Attachment | N/A |
| Return Data | true/false |

## COMPONENT STATUS

This API can be used to update status of an application’s component in dashboard. A unique identifier is required and which needs to be same as configured in dashboard application. Currently, this interface only support sending data via request body.

|  |  |
| --- | --- |
| End Point | [protocol]://[host]/api/componentstatus |
| Method | POST |
| Supported Content Type(s) | application/json |
| Request Body | {  "Identifier": "*[ID of the application component]*",  "Status" : *[Status 0 = Fail, 5 = Warning, 10 = Success]*,  "StatusMessage" : "*[Description to status]*",  “UpdatedOn”: *[UTC Timestamp in ISO format indicating when the information has updated. This field is optional and will be using current timestamp by default, if not sent]*  } |
| Return Data | true/false |

## INFORMATION VIEW

This API can be used to update application’s information view in dashboard. A unique identifier is required and which needs to be same as configured in dashboard application. The data can be sent by either request body or in attached file.

### DATA IN REQUEST BODY

|  |  |
| --- | --- |
| End Point | *[protocol]*://*[host]*/api/staticreport |
| Method | POST |
| Supported Content Type(s) | application/json |
| Request Body | {  "Identifier": "*[ID of the report/information view]*",  "Data" : "*[Data formatted as JSON string]*"  } |
| Attachment | N/A |
| Return Data | true/false |

### DATA IN ATTACHED FILE

|  |  |
| --- | --- |
| End Point | *[protocol]*://*[host]*/api/staticreport?report=[*ID of the report/information view*] |
| Method | POST |
| Supported Content Type(s) | application/json |
| Request Body | N/A |
| Attachment | Content-Type: application/json  *File should contain data formatted as JSON string* |
| Return Data | true/false |