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Author : chayan hazra	Version: Davos Version 6.4.1	Date :27-07-2013

# Davos User Manual (Davos V6.4.1)

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# 1 Introduction

Davos is the Web Service Interface to Zermatt, Automature's QA Management tool. . Davos exposes an API that can be used to store test results in Zermatt and query planning data. Davos is used primarily by Automature's other products, viz. Zug and Nyon to interact with Zermatt.

Davos is also intended to expose Zermatt to other automation tools, that want to report results into Zermatt.

Davos is implemented using Ruby, and is based on the Sinatra web-services framework.

## 1.1 Document Purpose

This User Manual explains how to call and store test execution results through Davos into Zermatt. It's primary intent is to act as a reference guide for the exposed API (REST services). It is not intended to act as an indepth guide to integration.

## 1.2 Intended Audience

This manual is intended for tool integrators, who need to understand the REST API. The manual may also help other technical users, who want to look “under the covers” to gain insight into the inner workings of Automature products.

For normal users of Automature products, this manual adds only marginal value, and might be too detailed and incoherent.

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## 2 Davos Interfaces

### 2.1 Session Management

#### 2.1.1 session/create

Creates a session and returns an id to be used by the client for making other requests

Returns session\_id in xml format.

- **Pre-Conditions**

User must be present in my-sql database having permission over davos database

- **Summary**

URL: http://www.example.com/session/create

Format: XML

Authentication: true

HTTP Method(s): POST

#### <sup>35</sup><sub>17</sub> **Request**

HTTP POST Request Example

user=username&password=password

#### <sup>35</sup><sub>17</sub> **Response**

XML Example

```
<?xml version="1.0" encoding="utf-8" ?>
```

```
<session_Data>
```

```
  <id>1234</id>
```

```
</session_Data>
```

OR

```
<?xml version="1.0" encoding="utf-8" ?>
```

```
<davos>
```

```
  <error> You are not authorized to view this page! </error>
```

```
</davos>
```

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## 2.1.2 session/destroy

Destroys a session and removes all session related data from the server

### <sup>35</sup><sub>17</sub> **Summary**

URL:http://www.example.com/session/destroy

Format: XML

Authentication: true

HTTP Method(s): POST

### <sup>35</sup><sub>17</sub> **Request**

HTTP POST Request Example

session\_id=1234

### <sup>35</sup><sub>17</sub> **Response**

XML Example

```
<?xml version="1.0" encoding="utf-8" ?>
```

```
<session_Data>
```

```
    <id>Session Destroyed Successfully</id>
```

```
</session_Data>
```

OR

```
<?xml version="1.0" encoding="utf-8" ?>
```

```
<davos>
```

```
    <error> Session Timed Out. Please login again and continue.</error>
```

```
</davos>
```

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### 2.1.3 /updateSession

Keeps the session alive for a particular session id

#### <sup>35</sup><sub>17</sub> **Summary**

URL:http://www.example.com/updateSession

Format: XML

Authentication: true

HTTP Method(s): POST

#### <sup>35</sup><sub>17</sub> **Request**

HTTP POST Request Example

session\_id=1234

### 2.1.4 /heartBeat

Keeps the session alive.

#### <sup>35</sup><sub>17</sub> **Summary**

URL:http://www.example.com/heartBeat

Formats: Xml

Authentication: false

HTTP Method(s): GET

#### <sup>35</sup><sub>17</sub> **Request**

HTTP POST Request Example

session\_id=1234

#### <sup>35</sup><sub>17</sub> **Response**

XML Example



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```
<?xml version="1.0" encoding="utf-8" ?>
```

```
<Session_Data>
```

```
<id>1234</id>
```

```
</Session_Data>
```

OR

```
<davos>
```

```
<error> Session Timed Out. Please login again and continue.</error>
```

```
</davos>
```

## 2.2 Getting Planning Data

### 2.2.1 getZermattConfig/value

Returns the configuration value of individual Zermatt config attribute in xml format.

- **Summary**

URL: <http://www.example.com/getZermattConfig/value>

Format: XML

Authentication: false

HTTP Method(s): GET

- **Request**

HTTP POST Request Example

name=Archivelocation&session\_id=1234

- **Response**

XML Example

```
<?xml version="1.0" encoding="utf-8" ?>
```

```
<zermattConfig><value>\\192.168.0.2\share </value></zermattConfig>
```

OR

```
<zermattConfig><error> Key name missing! </error></zermattConfig>
```

OR

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*<zermattConfig><error> Key not found! Key Name = Archivelocation  
</error></zermattConfig>*

## 2.2.2 role/read

Returns the role id for a given role name in xml format.

### <sup>35</sup><sub>17</sub> **Summary**

URL:http://www.example.com/role/read

Format: XML

Authentication: false

HTTP Method(s): GET

### <sup>35</sup><sub>17</sub> **Request**

HTTP POST Request Example:

role\_name=some\_role&session\_id=1234

### <sup>35</sup><sub>17</sub> **Response**

XML Example

*<?xml version="1.0" encoding="utf-8" ?>*

*<role><id>1234</id></role>*

OR

*<role><error> Role name missing! </error></role>*

OR

*<role><error> Role not found! Role Name = some\_role </error></role>*

## 2.2.4 topologyset/read

Returns the topologyset id for a given topologyset name or validates a topologyset id.

### <sup>35</sup><sub>17</sub> **Summary**

URL:http://www.example.com/topologyset/read

Format: XML

Authentication: false

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HTTP Method(s): Post

### <sup>35</sup><sub>17</sub> ***Request***

HTTP POST Request Example

topologyset\_description=some\_topologyset&session\_id=1234

OR

topologyset\_id=540&session\_id=1234

### <sup>35</sup><sub>17</sub> ***Response***

XML Example

*<?xml version="1.0" encoding="utf-8" ?>*

*<topologyset><id>1234</id></topologyset>*

OR

*<davos><error> Topologyset not found! Topologyset Description = some\_topologyset</error></davos>*

OR

*<davos><error> Topologyset not found! Topologyset Id = 540</error></davos>*

OR

*<davos><error> Topologyset description or id not defined!</error></davos>*

## **2.2.5 /getTestplanTopologies**

Returns a xml, containing a testcycle\_id and machine configurations of the test plan.

- ***Pre-Conditions***

The test plan must be associated with some testsuite and some topologyset. The topology role must match with the role of the testsuite.

### <sup>35</sup><sub>17</sub> ***Summary***

URL:http://www.example.com/variables/write

Format: XML

Authentication: false

HTTP Method(s): POST

### <sup>35</sup><sub>17</sub> ***Request***

HTTP POST Request Example

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testcycle\_id=111&session\_id=1234

## <sup>35</sup><sub>17</sub> **Response**

XML Example

```
<?xml version="1.0" encoding="utf-8" ?>
<Root>
  <TESTCYCLE ID="111">
    <MACHINES>
      <MACHINE IP="192.168.0.111" NAME="LADAKH" PORT="4569"/>
    </MACHINES>
  </TESTCYCLE>
</Root>
```

OR

```
<davos><error> Test Cycle does not exist! Test Cycle Id = 111 </error></davos>
```

OR

```
<davos><error> No matching machines detected to launch NYON!</error></davos>
```

## 2.2.6 /getTestCycleXML

Returns a xml, containing a testcycle\_id, build\_id, testplan\_id, list of testsuites and machine configurations as designed in the test plan.

- **Pre-Conditions**

The test plan must be associated with some testsuite and some topologyset. The topology role must match with the role of the testsuite.

ZermattPubURL must be defined in frameworkmetadata table.

## <sup>35</sup><sub>17</sub> **Summary**

URL:http://www.example.com/getTestCycleXML

Format: XML

Authentication: false

HTTP Method(s): POST

## <sup>35</sup><sub>17</sub> **Request**

HTTP POST Request Example

testcycle\_id=544&session\_id=1234

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## 35 17 **Response**

### XML Example

```
<?xml version="1.0" encoding="utf-8" ?>
<ROOT>
<TESTCYCLE ID='544'>
<TESTPLAN ID='893' OPTIONS=' ' PRODUCT='JUPITER' PRODUCTID='111'>
<BUILD ID='0'>
<EXECUTION_DETAILS>
<EXECUTION TOPOLOGYSET_NAME='Local Testing' TOPOLOGYSET_ID='25'
TESTSUITE_ID='320' TESTSUITE_NAME='MVCV'
PATH='http://zermatt.manimitra.in/twiki/pub/ZERMATT/AttachTestSuiteFile/mvcv.xls'
TSDIGEST='qwttyhdgt56husujssiiisw89'
ARCHIVEPATH='http://zermatt.manimitra.in/twiki/pub/ZERMATT/AttachTestSuiteDataZipF
ile/mvcv.xls' ARCHIVEDIGEST='567hrtyr784kj98jei93k202l0ll' ROLE='Zug-
Client'><OPTIONS><OPTION NAME='TESTCASE'
VALUE='MVCV002_value1,MVCV003_value2,MVCV004_c'>
</OPTIONS>
</EXECUTION>
</EXECUTION_DETAILS>
</BUILD>
</TESTPLAN>
</TESTCYCLE>
</ROOT>
```

OR

```
<davos><error> Testcycle Id missing! </error></davos>
```

OR

```
<davos><error> No testsuite associated with this testplan! Test Plan Id = 893
</error></davos>
```

OR

```
<davos><error> No topology set associated with this testplan! Test Plan Id = 893
</error></davos>
```

OR

```
<davos><error> This machine does not belong to any of the topology sets selected! Machine
IP Address = 192.168.0.111 </error></davos>
```

OR

```
<davos><error> Test cycle not found! Test Cycle Id =544 </error></davos>
```

OR

```
<davos><error> ZermattPubURL not defined in ZERMATT. </error></davos>
```

OR

```
<davos><error> Error while downloading file!</error></davos>
```

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## 2.3 Posting Planning Data

### 2.3.1 create/objects

Creates different database objects in the order Release, Sprint, Test plan, only if not present. It takes a colon separated list of database objects in the order Product, Release, Sprint, Testplan.

#### <sup>35</sup><sub>17</sub> **Pre-Condition**

Product must be present.

#### <sup>35</sup><sub>17</sub> **Summary**

URL:http://www.example.com//create/objects

Formats: Xml

Authentication: false

*HTTP Method(s): POST*

#### <sup>35</sup><sub>17</sub> **Request**

HTTP POST Request Example

*session\_id=1234&build\_path=dummmmy\_product:dummy\_release:dummy\_sprint:dummy\_test plan*

#### <sup>35</sup><sub>17</sub> **Response**

XML Example

*<?xml version="1.0" encoding="utf-8" ?>*

*<testplan><id>34</id></testplan>*

OR

*<davos><error> Object names not defined! </error></davos>*

OR

*<davos><error> Incorrect number of object names defined! Object Names =dummmmy\_product:dummy\_release:dummy\_sprint, Length =4 </error></davos>*

OR

*<davos><error> Product not found! Product Name = dummmmy\_product</error></davos>*

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## 2.3.2 release/write

Creates release entry with the code\_name under the product name specified. If a release already exists with the given name, then its id is returned.

Returns release\_id in xml format.

By default the conceived date is today's date and released date is 1 year from the conceived date.

### <sup>35</sup><sub>17</sub> **Pre-Conditions**

Product must be present.

### <sup>35</sup><sub>17</sub> **Summary**

URL:http://www.example.com/release/write

Format: XML

Authentication: false

HTTP Method(s): POST

### <sup>35</sup><sub>17</sub> **Request**

HTTP POST Request Example

*session\_id=1234&product\_name=dummy\_product&code\_name=dummy\_release*

### <sup>35</sup><sub>17</sub> **Response**

XML Example:

*<?xml version="1.0" encoding="utf-8" ?>*

*<release><id>34</id></release>*

OR

*<davos><error> Code name not defined! </error></davos>*

OR

*<davos><error> Product not found. Product Name = dummy\_product</error></davos>*

OR

*<davos><error> Product name not defined! </error></davos>*

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## 2.3.4 sprint/write

Creates sprint entry with the sprint\_name under the product name and release code name specified. If sprint already exists with the given name, then returns its id.

By default the start date is today's date and end date is 1 week from the started date.

Returns sprint\_id in xml format.

### <sup>35</sup><sub>17</sub> **Pre-Conditions**

Product must be present.

### <sup>35</sup><sub>17</sub> **Summary**

URL:http://www.example.com/sprint/write

Format: XML

Authentication: false

HTTP Method(s): POST

### <sup>35</sup><sub>17</sub> **Request**

HTTP POST Request Example

*session\_id=1234&product\_name=dummy\_product&code\_name=dummy\_release&sprint\_name=dummy\_sprint*

### <sup>35</sup><sub>17</sub> **Response**

XML Example

*<?xml version="1.0" encoding="utf-8" ?>*

*<sprint> <id>34</id></sprint>*

OR

*<davos><error> Sprint name not defined! </error></davos>*

OR

*<davos><error> Release code name not found! Release Code Name = dummy\_release</error></davos>*

OR

*<davos><error> Release code name not defined! </error></davos>*

OR

*<davos><error> Product not found! Product Name = dummy\_product </error></davos>*

OR

*<davos><error> Product name not defined! </error></davos>*



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## 2.3.5 build/write

Creates/updates build with testplan\_id and build\_tag under latest sprint inside latest release.

Returns build\_id in xml format.

### <sup>35</sup><sub>17</sub> **Pre-Conditions**

Product, release, sprint must be present for the given test plan.

### <sup>35</sup><sub>17</sub> **Summary**

URL:http://www.example.com/build/write

Format: XML

Authentication: false

HTTP Method(s): POST

### <sup>35</sup><sub>17</sub> **Request**

HTTP POST Request Example

*session\_id=1234&testplan\_id=999&build\_tag=myBuild*

### <sup>35</sup><sub>17</sub> **Response**

XML Example

*<?xml version="1.0" encoding="utf-8" ?>*

*<build><id>34</id></build>*

OR

*<davos><error> Build tag not defined! </error></davos>*

OR

*<davos><error> No Project phase exists for this release! Release Name =dummy\_release</error></davos>*

OR

*<davos><error> No Release exists for this Product! Product Name = dummy\_product</error></davos>*

OR

*<davos><error> Test Plan not found! Test Plan Id = 999 </error></davos>*

OR

*<davos><error>Test Plan Id missing!</error></davos>*

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## 2.3.6 testplan/write

Creates testplan entry with the testplan\_name under the product name, code name and sprint name specified. If test plan already exists with the given name, then returns its id.

### <sup>35</sup><sub>17</sub> **Pre-Conditions**

Product must be present.

### <sup>35</sup><sub>17</sub> **Summary**

URL:http://www.example.com/testplan/write

Format: XML

Authentication: false

HTTP Method(s): POST

### <sup>35</sup><sub>17</sub> **Request**

HTTP POST Request Example

session\_id=1234&product\_name=dummy\_product&testplan\_name=dummy\_testplan

### <sup>35</sup><sub>17</sub> **Response**

XML Example

```
<?xml version="1.0" encoding="utf-8" ?>
```

```
<testplan> <id>34</id></testplan>
```

OR

```
<davos><error> Product not found! Product Name = dummy_product</error></davos>
```

OR

```
<davos><error> Product name not defined! </error></davos>
```

OR

```
<davos><error> Product does not exist! Product Id = dummy_product</error></davos>
```

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## 2.3.7 testsuite/write

Creates or updates a test suite entry with the product\_name.

Returns testsuite\_id in xml format.

### <sup>35</sup><sub>17</sub> **Pre-Conditions**

*Product must be present.*

### <sup>35</sup><sub>17</sub> **Summary**

URL:http://www.example.com/testsuite/write

Format: XML

Authentication: false

HTTP Method(s): POST

### <sup>35</sup><sub>17</sub> **Request**

HTTP POST Request Example

product\_name=ABC&role\_name=DavosClient&testsuite\_name=WorkFlowSuite&comment=description\_of\_the\_testsuite&created\_by=Username&modified\_by=username&status=Planned&elapsedtime\_min=100&elapsedtime\_max=100&testsuitefilepath=path to testsuite&initialization\_time=100&execution\_time=100&session\_id=1234

### <sup>35</sup><sub>17</sub> **Response**

XML Example

```
<?xml version="1.0" encoding="utf-8" ?>
```

```
<testsuite><id>34</id></testsuite>
```

OR

```
<davos><error> Role Name does not exist! Role Name = </error></davos>
```

OR

```
<davos><error> Product not found! Product Name = </error></davos>
```

OR

```
<davos><error> Could not create testsuite </error></davos>
```

OR

```
<davos><error> Testsuite name not defined! </error></davos>
```

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## 2.3.8 testcase/write

Creates or updates a test case entry with the testsuite\_id.

Returns testcase\_id in xml format.

### <sup>35</sup><sub>17</sub> **Pre-Conditions**

Test suite must be present.

### <sup>35</sup><sub>17</sub> **Pre-Conditions**

Test suite must be present.

### <sup>35</sup><sub>17</sub> **Summary**

URL:http://www.example.com/testcase/write

Format: XML

Authentication: false

HTTP Method(s): POST

### <sup>35</sup><sub>17</sub> **Request**

HTTP POST Request Example

testsuite\_id=78&testcase\_identifier=TCS123&description=brief desc of the test case  
&test\_steps=test steps& verify\_steps=verify steps&session\_id=1234

### <sup>35</sup><sub>17</sub> **Response**

XML Example

*<?xml version="1.0" encoding="utf-8" ?>*

*<testcase><id>1234</id></testcase>*

OR

*<davos><error> Testsuite id not defined </error></davos>*

OR

*<davos><error> Testsuite does not exist! Testsuite Id = 78 </error></davos>*

OR

*<davos><error> testcase\_identifier not defined! </error></davos>*

OR

*<davos><error> Could not update the existing testcase! </error></davos>*

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## 2.3.9 testcycle/write

Creates or updates a testcycle with the testplan\_id and build\_id or tastpan\_path.

If testcycle\_id present then update the testcycle or if the session holding the testcycle id then it updates that testcycle. Else it will create a new testcycle.

Returns testcycle\_id in xml format.

### <sup>35</sup><sub>17</sub> **Summary**

URL:http://www.example.com/testcycle/write

Format: XML

Authentication: false

HTTP Method(s): POST

### <sup>35</sup><sub>17</sub> **Request**

HTTP POST Request Example

initialization\_time=100&execution\_time=200&session\_id=1234 (If only testcycle exists in that session)

OR

testplan\_id=32&build\_id=55&testcycle\_id=89&initialization\_time=100&execution\_time=200&session\_id=1234

OR

testplan\_path=Product:Release:Sprint:Build:Testplan&initialization\_time=100&execution\_time=200&session\_id=1234

OR

testplan\_path=Product:Release:Sprint:Testplan&initialization\_time=100&execution\_time=200&session\_id=1234

### <sup>35</sup><sub>17</sub> **Response**

XML Example

```
<?xml version="1.0" encoding="utf-8" ?>
```

```
<testcycle><id>1234</id></testcycle>
```

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OR

*<davos><error> Cannot report multiple testcycle in a single session </error></davos>*

OR

*<davos><error> Test cycle not found! Test Cycle Id = 999 </error></davos>*

OR

*<davos><error> Build not associated with this test cycle. Please associate a build with this test cycle and run the test. Test Cycle Id =999 </error></davos>*

OR

*<davos><error> Build does not exist! Build Id = 178 </error></davos>*

OR

*<davos><error> No Release exists for this Product! Product Name = dummy\_pro  
</error></davos>*

OR

*<davos><error> No matching Arguments found</error></davos>*

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## 2.3.10 variables/write

Creates variable for a testcase with the testcase identifier, variable name and variable value

Returns variable\_id in xml format

### <sup>35</sup><sub>17</sub> **Pre-Conditions**

Product must be present.

### <sup>35</sup><sub>17</sub> **Summary**

URL:http://www.example.com/variables/write

Format: XML

Authentication: false

HTTP Method(s): POST

### <sup>35</sup><sub>17</sub> **Request**

HTTP POST Request Example

testcase\_identifier=TC001&variable\_name=xxx&variable\_value=555&session\_id=1234

### <sup>35</sup><sub>17</sub> **Response**

XML Example

*<?xml version="1.0" encoding="utf-8" ?>*

*<testcasevariablevalue> <id>1234</id></testcasevariablevalue>*

OR

*<davos><error> Testcase identifier not defined! </error></davos>*

OR

*<davos><error> Variable name not defined! </error></davos>*

OR

*<davos><error> Variable value not defined! </error></davos>*

OR

*<davos><error> Product does not exist! Product Name =dummy\_pro </error></davos>*

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OR

*<davos><error> Session does not hold any product details or testplan details!  
</error></davos>*

OR

*<davos><error> Testsuite does not exist in chosen Product! Testsuite Name = ts, Product Id = 999 </error></davos>*

OR

*<davos><error> Testsuite name not defined! </error></davos>*

OR

*<davos><error> Test case does not exist in the testsuite! </error></davos>*

OR

*<davos><error> Could not create testsuite variables </error></davos>*

## 2.4 Posting execution Data

### 2.4.1 testexecutiondetails/write

Creates or Updates a test execution details entry with the testcycle\_id and topologyset\_id

Returns testexecutiondetail\_id in xml format.

#### <sup>35</sup><sub>17</sub> **Summary**

URL:http://www.example.com/testexecutiondetails/write

Format: XML

Authentication: false

HTTP Method(s): POST

#### <sup>35</sup><sub>17</sub> **Request**

HTTP POST Request Example

testcycle\_id=43&topologyset\_id=9&role\_name=zermatt-server&testcase\_identifier=TCS&test\_engineer=Automation&status=Pass&comments=Nothing&testexecution\_time=100&performanceexecutiondetail\_id=1&testsuite\_name=WORKSts&session\_id=1234

#### <sup>35</sup><sub>17</sub> **Response**

XML Example



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*<?xml version="1.0" encoding="utf-8" ?>*

*<testexecutiondetails> <id>1234</id></testexecutiondetails>*

OR

*<davos><error> Testsuite name not defined! </error></davos>*

OR

*<davos><error> Testcase identifier not defined! </error></davos>*

OR

*<davos><error> Role does not match with the Testsuite Role! </error></davos>*

OR

*<davos><error> Cannot report multiple testcycle in a single session </error></davos>*

OR

*<davos><error> Testcycle id or name missing! </error></davos>*

OR

*<davos><error> Test Cycle does not exist! </error></davos>*

OR

*<davos><error> Topologyset id or name missing! </error></davos>*

OR

*<davos><error> Topologyset does not exist! </error></davos>*

OR

*<davos><error> Role name missing! </error></davos>*

OR

*<davos><error> Role Name does not exist! </error></davos>*

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## 2.4.2 performancemetric/initialize

Stores performance metric data temporarily in data base with testexecutiondetail\_id

### <sup>35</sup><sub>17</sub> **Summary**

URL:http://www.example.com/performancemetric/initialize/{testexecutiondetails\_id}

Format: XML

Authentication: false

HTTP Method(s): POST

### <sup>35</sup><sub>17</sub> **URL Parameters**

testexecutiondetails\_id = testexecutiondetails\_id of the test case

### <sup>35</sup><sub>17</sub> **Request**

HTTP POST Request Example:

cpu\_stat=24&io\_stat=4567&session\_id=1234

## 2.4.3 performance/write

Creates or updates performance execution detail for a test execution detail record. Requires testexecutiondetails\_id, key\_name, key\_value. If key\_name exists for the execution record then it updates its value, else creates a fresh record.

chart\_type, chart\_title can be send as an argument to display chart in ZERMATT.

### <sup>35</sup><sub>17</sub> **Summary**

URL:http://www.example.com/performance/write

Formats: Xml

Authentication: false

HTTP Method(s): POST

### <sup>35</sup><sub>17</sub> **Request**

<sup>35</sup><sub>17</sub> HTTP POST Request Example

<sup>35</sup><sub>17</sub> *session\_id=1234&testexecutiondetail\_id=999&key\_name=CPUUsage&value=98&chart\_type=bar&chart\_title=CPU Usage*

### <sup>35</sup><sub>17</sub> **Response**

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XML Example:

*<?xml version="1.0" encoding="utf-8" ?>*

*<performance> <id>34</id></performance>*

OR

*<davos><error> Key\_name name not defined! </error></davos>*

OR

*<davos><error> Testexecutiondetails identifier do not exist! </error></davos>*

OR

*<davos><error> Testexecution details identifier not defined! </error></davos>*

OR

*<davos><error> Could not create performance\_key! </error></davos>*

OR

*<davos><error> Could not update existing performance execution detail!  
</error></davos>*

OR

*<davos><error> Value not defined! </error></davos>*

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## 2.4.4 performancemetric/finalize

Calculate the quotient with the previous stored metric and store the results in the database  
testexecutiondetail\_id

### <sup>35</sup><sub>17</sub> **Summary**

URL:http://www.example.com/performancemetric/finalize/{samplesize}

Formats: Xml

Authentication: false

HTTP Method(s): POST

### <sup>35</sup><sub>17</sub> **URL Parameters**

samplesize(by default it is 1)

It is the value with which the difference will be divided

### <sup>35</sup><sub>17</sub> **Request**

HTTP Request Example:

cpu\_stat=26&io\_stat=5678&session\_id=1234

## 2.4.5 /setTestCycleTopologySetValues

Creates or updates machine specific attributes participating in any test environment. Accepts testexecutiondetail\_id, machine\_attribute and value. machine\_name can also be used to report for a particular topology, if that machine belongs to the testing environment.

Returns topologyattribute\_id in xml format.

### <sup>35</sup><sub>17</sub> **Summary**

URL:http://www.example.com/setTestCycleTopologySetValues

Format: XML

Authentication: false

HTTP Method(s): POST

### <sup>35</sup><sub>17</sub> **Request**

HTTP POST Request Example

session\_id=1234&testexecutiondetail\_id=999&name=RAM&value=1GB

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OR

session\_id=1234&testexecutiondetail\_id=999&machine\_name=LADAKH&name=RAM&value=1GB

<sup>35</sup><sub>17</sub> **Response**

XML Example

*<?xml version="1.0" encoding="utf-8" ?>*

*<setTestCycleTopologySetValues>542</setTestCycleTopologySetValues>*

OR

*<davos><error> Testexecutiondetail does not exist! </error></davos>*

OR

*<davos><error> Testexecutiondetail id not defined! </error></davos>*

OR

*<davos><error> Machine attribute name not defined! </error></davos>*

OR

*<davos><error> Machine does not belong to this topologyset. </error></davos>*

OR

*<davos><error> Error while updating machine attribute. </error></davos>*

OR

*<davos><error> Error while creating new machine attribute. </error></davos>*

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## 2.5 Other helper calls

### 2.5.1 /updateMyMachine

Updates the machine ip address for a particular machine name in machine catalog table. Uses the request machine ip address as seen by davos and updates the machine. Mostly used by NYON to keep ZERMATT updated with its present state.

Returns machine\_name in xml format

#### <sup>35</sup><sub>17</sub> **Pre-Conditions**

Machine must be present inside machinecatalog table with its actual name.

#### <sup>35</sup><sub>17</sub> **Summary**

URL:http://www.example.com/updateMymachine

Format: XML

Authentication: false

HTTP Method(s): POST

#### <sup>35</sup><sub>17</sub> **Request**

HTTP POST Request Example

session\_id=1234&machine\_name=LADAKH

#### <sup>35</sup><sub>17</sub> **Response**

XML Example

```
<?xml version="1.0" encoding="utf-8" ?>
```

```
<machine>LADAKH</machine>
```

OR

```
<davos><error> Machine name missing! </error></davos>
```

OR

```
<davos><error> Cannot update machine ip address! </error></davos>
```

OR

```
<davos><error> Machine name not found! </error></davos>
```

### 2.5.2 /renameFile

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Used in Zermatt while uploading test suite files. Accepts testsuite\_id and file type as argument. Supported file\_type are txt,zip,xls.

### **File type = New File Name**

txt = product\_id.testsuite\_id.Description.org\_filename

zip = product\_id.testsuite\_id.Archive.org\_filename

xls = product\_id.testsuite\_id.Testsuite.org\_filename

Returns modified name of the file in xml format

### <sup>35</sup><sub>17</sub> ***Pre-Conditions***

ZermattPathToPubDirectory must be defined in frameworkmetadata table

### <sup>35</sup><sub>17</sub> ***Summary***

URL:http://www.example.com/renameFile

Format: XML

Authentication: false

HTTP Method(s): POST

### <sup>35</sup><sub>17</sub> ***Request***

HTTP POST Request Example

session\_id=1234&testsuite\_id=999&file\_type=xls

### <sup>35</sup><sub>17</sub> ***Response***

XML Example

*<?xml version="1.0" encoding="utf-8" ?>*

*<file>888.999.Testsuite.myTs.xls</file>*

OR

*<davos><error> Testsuite id not defined </error></davos>*

OR

*<davos><error> Testsuite file type not defined! </error></davos>*

OR

*<davos><error> Testsuite does not exist! </error></davos>*

OR

*<davos><error> File not found! </error></davos>*

OR

*<davos><error> File type not supported! </error></davos>*

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### 2.5.3 /sendmail

Accepts testcycle\_id, job\_id and mail\_body as its argument.

Fetches the recipients list from testplan table.

Return success in xml format if successfully able to send mail to all the recipients.

#### <sup>35</sup><sub>17</sub> **Pre-Conditions**

SMTP-ServerName, SMTP-ServerPort, Account-Username, Account-Password must be defined in Frameworkmetadata table.

#### <sup>35</sup><sub>17</sub> **Summary**

URL:http://www.example.com/sendmail

Format: XML

Authentication: false

HTTP Method(s): POST

#### <sup>35</sup><sub>17</sub> **Request**

HTTP POST Request Example

session\_id=1234&testcycle\_id=999&job\_id=1234567&mail\_body=content

#### <sup>35</sup><sub>17</sub> **Response**

XML Example

*<?xml version="1.0" encoding="utf-8" ?>*

*<sendmail>success</sendmail>*

OR

*<davos><error> Testcycle id or name missing! </error></davos>*

OR

*<davos><error> Test Cycle do not exist. </error></davos>*

OR

*<davos><error> Test plan do not hold any email address list. </error></davos>*

OR

*<davos><error> Email address cannot be blank! </error></davos>*

OR

*<davos><error> Job Id is empty! </error></davos>*

OR

*<davos><error> Mail body is empty! </error></davos>*

OR

*<davos><error> Test plan not found. </error></davos>*



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## 2.5.4 /commitNyonJob

Very specific to Nyon. Accepts job\_id, zermatt\_session\_id, status, testcycle\_id, submission\_time, user\_name as its argument. Used to keep ZERMATT updated of the current state of NYON and jobs running in it.

Returns job\_id in xml format

### <sup>35</sup><sub>17</sub> **Summary**

URL:http://www.example.com/commitNyonJob

Format: XML

Authentication: false

HTTP Method(s): POST

### <sup>35</sup><sub>17</sub> **Request**

HTTP POST Request Example

session\_id=1234&job\_id=456789&zermatt\_session\_id=yehe67hue5373h378d&status,=running&testcycle\_id=999&submission\_time=2013-06-28-14:20:40&user\_name=MIKE

### <sup>35</sup><sub>17</sub> **Response**

XML Example

```
<?xml version="1.0" encoding="utf-8" ?>
<commitNyonJobs>456789</commitNyonJobs>
```

OR

```
<davos><error> message </error></davos>
```

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### 3 Test execution reporting without ZUG

To report a test result use the following steps:

1. Create a new session in davos using rest call **2.10 session/create** , and use the returned session\_id in the following steps.
2. Create a new testcycle using rest call **2.12 testcycle/write** , Use the testcycle id returned instep 3
3. Create a new execution record using rest call **2.15 testexecutiondetails/write**  
Provide all the required arguments.  
Use **2.8 role/read** and **2.19 topologyset/read** to read/validate the role or the topologyset.
4. Call **2.13 testcycle/write** to report back the total execution time to run the complete test cycle.

**NOTE : If davos returns this message '*session timedout*' any where in the following rest call use 2.12 update/session**