

DAVOS USER MANUAL		Pages (1/21)
Author : Debabrata Das	Version: Davos Version 4.4	Date :15-06-2012

## **Davos User Manual (Davos V4.4)**

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# 1 Introduction

Davos is Web Service Interface to Zermatt Database. Davos exposes methods that can be used to stored test results in Zermatt Database.

## 1.1 Document Purpose

The User Manual explains you how to call and store the test execution results through Davos into Zermatt Database. The usage of Davos Web Service is illustrated in this edition.

## 1.2 Intended Audience

The user manual is intended for users who want store the results using Davos Web Service Interface. The methods with specific parameters will invoke the storing procedures of the Davos Web Service Interface. The user should have prerequisite basic knowledge of computer programming, Rest Client method calling.

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## 2 Davos Interfaces

### 2.1 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.

Note: Product must be present.

- **Summary**

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

Formats: Xml

Authentication: false

*HTTP Method(s): POST*

- **Request**

HTTP POST Request Example

*[session\\_id=1234&build\\_path=dummmmy\\_product:dummy\\_release:dumy\\_sprint:dumy\\_test plan](#)*

- **Response**

XML Example

*[<?xml version="1.0" encoding="utf-8" ?>](#)*

*[<testplan>](#)*

*[<id>34</id>](#)*

*[</testplan>](#)*

OR

*[<?xml version="1.0" encoding="utf-8" ?>](#)*

*[<davos>](#)*

*[<error> message </error>](#)*

*[</davos>](#)*

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## 2.2 getZermattConfig/value

Returns the configuration value of individual Zermatt config attribute

- ***Summary***

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

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

```
<?xml version="1.0" encoding="utf-8" ?>
<zermattConfig>
  <error> message </error>
</zermattConfig>
```

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## 2.3 heartBeat

Keeps the session alive.

- ***Summary***

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

Formats: Xml

Authentication: false

HTTP Method(s): GET

- ***Request***

HTTP POST Request Example

session\_id=1234

- ***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" ?>
<Session_Data>
  <error> message </error>
</Session_Data>
```

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## 2.4 performancemetric/initialize

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

- **Summary**

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

Format: XML

Authentication: false

HTTP Method(s): POST

- **URL Parameters**

testexecutiondetails\_id = testexecutiondetails\_id of the test case

- **Request**

HTTP POST Request Example:

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

## 2.5 performancemetric/finalize

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

- **Summary**

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

Formats: Xml

Authentication: false

HTTP Method(s): POST

- **URL Parameters**

samplesize(by default it is 1)

It is the value with which the difference will be divided

- **Request**

HTTP Request Example:

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



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## 2.6 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.

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

- ***Summary***

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

Format: XML

Authentication: false

HTTP Method(s): POST

- ***Request***

HTTP POST Request Example

[session\\_id=1234&product\\_name=dummy\\_product&code\\_name=dummy\\_release](#)

- ***Response***

XML Example:

```
<?xml version="1.0" encoding="utf-8" ?>
<release>
  <id>34</id>
</release>
```

OR

```
<?xml version="1.0" encoding="utf-8" ?>
<davos>
  <error> message </error>
</davos>
```

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## 2.7 role/read

Returns the role id for a given role name

- ***Summary***

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

Format: XML

Authentication: false

HTTP Method(s): GET

- ***Request***

HTTP POST Request Example:

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

- ***Response***

XML Example

```
<?xml version="1.0" encoding="utf-8" ?>
<role>
  <id>1234</id>
</role>
```

OR

```
<?xml version="1.0" encoding="utf-8" ?>
<role>
  <error> message </error>
</role>
```

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## 2.8 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.

- **Summary**

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

Format: XML

Authentication: false

HTTP Method(s): POST

- **Request**

HTTP POST Request Example

[session\\_id=1234&product\\_name=dummy\\_product&code\\_name=dummy\\_release&sprint\\_name=dummy\\_sprint](#)

- **Response**

XML Example

```
<?xml version="1.0" encoding="utf-8" ?>
<sprint>
  <id>34</id>
</sprint>
```

OR

```
<?xml version="1.0" encoding="utf-8" ?>
<davos>
  <error> message </error>
</davos>
```

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## 2.9 session/create

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

### *Summary*

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

Format: XML

Authentication: true

HTTP Method(s): POST

- **URL Parameters** : none

- **Request**

HTTP POST Request Example

user=username&password=password

- **Response**

XML Example

```
<?xml version="1.0" encoding="utf-8" ?>
<session>
  <id>1234</id>
</session>
```

OR

```
<?xml version="1.0" encoding="utf-8" ?>
<davos>
  <error> message </error>
</davos>
```

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## 2.10 session/destroy

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

- ***Summary***

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

Format: XML

Authentication: true

HTTP Method(s): POST

- ***URL Parameters*** : none

- ***Request***

HTTP POST Request Example

session\_id=1234

## 2.11 testcase/write

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

- ***Summary***

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

Format: XML

Authentication: false

HTTP Method(s): POST

- ***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

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- ***Response***

XML Example

```
<?xml version="1.0" encoding="utf-8" ?>
<testcase>
  <id>1234</id>
</testcase>
```

OR

```
<?xml version="1.0" encoding="utf-8" ?>
<davos>
  <error> message </error>
</davos>
```

## 2.12 testcycle/write

Creates or updates a testcycle with the testplan\_id

- ***Summary***

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

Format: XML

Authentication: false

HTTP Method(s): POST

- ***Request***

HTTP POST Request Example

```
testplan_id=32&initialization_time=100&execution_time=200&testcycle_description=D
ESC_008&session_id=1234
```

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- ***Response***

#### XML Example

```
<?xml version="1.0" encoding="utf-8" ?>
<testcycle>
    <id>1234</id>
</testcycle>
```

OR

```
<?xml version="1.0" encoding="utf-8" ?>
<davos>
    <error> message </error>
</davos>
```

## 2.13 testexecutiondetails/write

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

- ***Summary***

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

Format: XML

Authentication: false

HTTP Method(s): POST

- ***Request***

HTTP POST Request Example

```
testcycle_id=43&topologyset_id=9&role_name=zermatt-
server&testcase_identifier=TCS&test_engineer=Automation&status=Pass&comments=Nothi
ng&build_number=B001&testexecution_time=100&performanceexecutiondetail_id=1&tests
uite_name=WORKSts&session_id=1234
```

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- ***Response***

XML Example

```
<?xml version="1.0" encoding="utf-8" ?>
<testexecutiondetails>
  <id>1234</id>
</testexecutiondetails>
```

OR

```
<?xml version="1.0" encoding="utf-8" ?>
<davos>
  <error> message </error>
</davos>
```

## 2.14 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.

- ***Summary***

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

Format: XML

Authentication: false

HTTP Method(s): POST

- ***Request***

HTTP POST Request Example

```
session_id=1234&product_name=dummy_product&code_name=dummy_release&sprint_name=
dummy_sprint&testplan_name=dummy_testplan
```



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- ***Response***

XML Example

```
<?xml version="1.0" encoding="utf-8" ?>
<testplan>
  <id>34</id>
</testplan>
```

OR

```
<?xml version="1.0" encoding="utf-8" ?>
<davos>
  <error> message </error>
</davos>
```

## 2.15 testplan/read

Returns the test plan attributes for a given test plan id

- ***Summary***

URL: <http://www.example.com/testpaln/read>

Format: XML

Authentication: false

HTTP Method(s): POST

- ***Request***

HTTP POST Request Example

testplan\_id=78&session\_id=1234

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- **Response**

#### XML Example

```
<?xml version="1.0" encoding="utf-8" ?>
<testplan><testplan_id>61</testplan_id>
<testsuitelist_id>61</testsuitelist_id>
<code_name>Greenage</code_name>
<creation_date>2011-04-13T14:23:54+05:30</creation_date>
<modification_date>2011-07-06T00:00:00+05:30</modification_date>
<created_by>SankhaSil</created_by>
<modified_by> PatAdmin </modified_by>
<status>Tests in progress</status>
<product_id>36</product_id>
<comment>some comment</comment>
<topologysetlist_id>61</topologysetlist_id>
<projectphase_id>40</projectphase_id>
<acceptancecriteria>criteria</acceptancecriteria>
<milestones>milestones criteria</milestones>
<schedules>schedules criteria</schedules>
</testplan>
```

OR

```
<?xml version="1.0" encoding="utf-8" ?>
<testcase>
  <error> message </error>
</testcase>
```

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## 2.16 testsuite/write

Creates or updates a test suite entry with the product\_id

- **Summary**

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

Format: XML

Authentication: false

HTTP Method(s): POST

- **Request**

HTTP POST Request Example

product\_id=54&role\_id=123&testsuite\_name=WorkFlowSuite&comment=description\_of\_the  
\_testsuite&created\_by=Username&modified\_by=username&status=Planned&elapsedtime\_m  
in=100&elapsedtime\_max=100&testsuitefilepath=path to  
testsuite&initialization\_time=100&execution\_time=100&session\_id=1234

- **Response**

XML Example

```
<?xml version="1.0" encoding="utf-8" ?>
<testsuite>
  <id>34</id>
</testsuite>
```

OR

```
<?xml version="1.0" encoding="utf-8" ?>
<davos>
  <error> message </error>
</davos>
```

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## 2.17 topologysset/read

Returns the topologysset id for a given role name

- **Summary**

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

Format: XML

Authentication: false

HTTP Method(s): Post

- **Request**

HTTP POST Request Example

topologysset\_description=some\_topologysset&session\_id=1234

- **Response**

XML Example

```
<?xml version="1.0" encoding="utf-8" ?>
<topologysset>
  <id>1234</id>
</topologysset>
```

OR

```
<?xml version="1.0" encoding="utf-8" ?>
<davos>
  <error> message </error>
</davos>
```

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## 2.18 variables/write

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

- ***Summary***

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

Format: XML

Authentication: false

HTTP Method(s): POST

- ***Request***

HTTP POST Request Example

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

- ***Response***

XML Example

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

```
<testcasevariablevalue>
```

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

```
</testcasevariablevalue>
```

OR

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

```
<variables>
```

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

```
</variables>
```