

OCCI Platform Extension

SPIRALS

August 5, 2017

1 OCCI platform extension

Name	platform
Scheme	http://schemas.ogf.org/occi/platform#

1.1 Imported OCCI extensions

Name	core
Scheme	http://schemas.ogf.org/occi/core#

1.2 Description

OCCI Platform Extension, version 1.2.

1.3 Specification

<https://www.ogf.org/documents/GFD.227.pdf>

2 Kinds

2.1 Application kind

Name	Application
Scheme	http://schemas.ogf.org/occi/platform#
Title	Application
Parent	Resource (http://schemas.ogf.org/occi/core#)

2.1.1 Application attributes

Attribute	Type	Required	Mutable	Default	Description
occi.app.name	String	true	true		Name of the application.
occi.app.context	URL	true	false		URL for contextualizing the app.
occi.app.url	URL	true	false		DNS entry.
occi.app.state	Status	true	false		State of the application.
occi.app.state.message	String	false	false		Human-readable explanation of the current instance state.

2.1.2 Application actions

- **Scheme:** <http://schemas.ogf.org/occi/platform/application/action#>

Term	Attributes	Title
start		Start the application.
stop		Stop the application.

2.2 Component kind

Name	Component
Scheme	http://schemas.ogf.org/occi/platform#
Title	Component
Parent	Resource (http://schemas.ogf.org/occi/core#)

2.2.1 Component attributes

Attribute	Type	Required	Mutable	Default	Description
occi.component.state	Status	true	false		State of the component.
occi.component.state.message	String	false	false		Human-readable explanation of the current instance state.

2.2.2 Component actions

- **Scheme:** <http://schemas.ogf.org/occi/platform/component/action#>

Term	Attributes	Title
start		Start the application.
stop		Stop the application.

2.3 ComponentLink kind

Name	ComponentLink
Scheme	http://schemas.ogf.org/occi/platform#
Title	ComponentLink
Parent	Link (http://schemas.ogf.org/occi/core#)

3 Mixins

3.1 App_Tpl mixin

Name	App_Tpl
Scheme	http://schemas.ogf.org/occi/platform#
Title	Application Template

Applies to:

- Application (<http://schemas.ogf.org/occi/platform#>)

3.2 Res_Tpl mixin

Name	Res_Tpl
Scheme	http://schemas.ogf.org/occi/platform#
Title	Resource Template

Applies to:

- Application (<http://schemas.ogf.org/occi/platform#>)
- Component (<http://schemas.ogf.org/occi/platform#>)

3.3 DataBase mixin

Name	DataBase
Scheme	http://schemas.ogf.org/occi/platform#
Title	Database Mixin

Applies to:

- Component (<http://schemas.ogf.org/occi/platform#>)

3.3.1 DataBase attributes

Attribute	Type	Required	Mutable	Default	Description
occi.database.version	String	true	false		Version of the database.

3.4 DataBaseLink mixin

Name	DataBaseLink
Scheme	http://schemas.ogf.org/occi/platform#
Title	Database Link

Applies to:

- ComponentLink (<http://schemas.ogf.org/occi/platform#>)

3.4.1 DataBaseLink attributes

Attribute	Type	Required	Mutable	Default	Description
occi.database.uri	URI	true	false		Connection URI for the database.
occi.database.username	URI	false	false		Username.
occi.database.token	URI	false	false		Token.

4 Types

4.1 URL type

- **Basic type:** java.net.URL

4.2 URI type

- **Basic type:** java.net.URI

4.3 Status type

Literals

- **active**
- **inactive**
- **error**