

OCCI Platform Extension

SPIRALS

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1 OCCI platform extension

Name	platform
Scheme	http://schemas.ogf.org/occi/platform#
Specification	https://www.ogf.org/documents/GFD.227.pdf

1.1 Description

OCCI Platform Extension, version 1.2.

1.2 Imported OCCI extensions

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

1.3 Specification

The specification of OCCI Platform extension is available here: <https://www.ogf.org/documents/GFD.227.pdf>.

1.4 Types

1.4.1 URL type

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

1.4.2 URI type

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

1.4.3 Status type

Literals

- `active`
- `inactive`
- `error`

1.5 Kinds

1.5.1 Application kind

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

- **Application attributes**

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

- **Application actions**

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

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

- **Application Behavior**

- **Attribute:** `occi.app.state`
- **Initial state:** active
- **Final states:** active
- **Transitions:**

Source State	Target State	Action
active	inactive	Stop
active	error	
inactive	active	Start
inactive	error	

1.5.2 Component kind

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

- **Component attributes**

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

- **Component actions**

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

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

- **Component Behavior**

- **Attribute:** `occi.component.state`
- **Initial state:** active
- **Final states:** active
- **Transitions:**

Source State	Target State	Action
active	inactive	Stop
active	error	
inactive	active	Start
inactive	error	

1.5.3 ComponentLink kind

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

1.6 Mixins

1.6.1 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#>)

1.6.2 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#>)

1.6.3 DataBase mixin

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

- **Applies to:**

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

- **DataBase attributes**

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

1.6.4 DataBaseLink mixin

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

- **Applies to:**

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

- **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.