

# OCCI Platform Extension

SPIRALS

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# 1 OCCI platform extension

<b>Name</b>	platform
<b>Scheme</b>	<a href="http://schemas.ogf.org/occi/platform#">http://schemas.ogf.org/occi/platform#</a>
<b>Specification</b>	<a href="https://www.ogf.org/documents/GFD.227.pdf">https://www.ogf.org/documents/GFD.227.pdf</a>

## 1.1 Description

OCCI Platform Extension, version 1.2.

## 1.2 Imported OCCI extensions

<b>Name</b>	core
<b>Scheme</b>	<a href="http://schemas.ogf.org/occi/core#">http://schemas.ogf.org/occi/core#</a>

## 1.3 Specification

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

## 1.4 Kinds

### 1.4.1 Application kind

<b>Name</b>	Application
<b>Scheme</b>	<a href="http://schemas.ogf.org/occi/platform#">http://schemas.ogf.org/occi/platform#</a>
<b>Title</b>	Application
<b>Parent</b>	Resource ( <a href="http://schemas.ogf.org/occi/core#">http://schemas.ogf.org/occi/core#</a> )

- 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.

- Application actions

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

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

### 1.4.2 Component kind

<b>Name</b>	Component
<b>Scheme</b>	<a href="http://schemas.ogf.org/occi/platform#">http://schemas.ogf.org/occi/platform#</a>
<b>Title</b>	Component
<b>Parent</b>	Resource ( <a href="http://schemas.ogf.org/occi/core#">http://schemas.ogf.org/occi/core#</a> )

- 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.

- **Component actions**

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

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

### 1.4.3 ComponentLink kind

<b>Name</b>	ComponentLink
<b>Scheme</b>	<a href="http://schemas.ogf.org/occi/platform#">http://schemas.ogf.org/occi/platform#</a>
<b>Title</b>	ComponentLink
<b>Parent</b>	Link ( <a href="http://schemas.ogf.org/occi/core#">http://schemas.ogf.org/occi/core#</a> )

## 1.5 Mixins

### 1.5.1 App\_Tpl mixin

<b>Name</b>	App_Tpl
<b>Scheme</b>	<a href="http://schemas.ogf.org/occi/platform#">http://schemas.ogf.org/occi/platform#</a>
<b>Title</b>	Application Template

**Applies to:**

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

### 1.5.2 Res\_Tpl mixin

<b>Name</b>	Res_Tpl
<b>Scheme</b>	<a href="http://schemas.ogf.org/occi/platform#">http://schemas.ogf.org/occi/platform#</a>
<b>Title</b>	Resource Template

**Applies to:**

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

### 1.5.3 DataBase mixin

<b>Name</b>	DataBase
<b>Scheme</b>	<a href="http://schemas.ogf.org/occi/platform#">http://schemas.ogf.org/occi/platform#</a>
<b>Title</b>	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.

### 1.5.4 DataBaseLink mixin

<b>Name</b>	DataBaseLink
<b>Scheme</b>	<a href="http://schemas.ogf.org/occi/platform#">http://schemas.ogf.org/occi/platform#</a>
<b>Title</b>	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.

## 1.6 Types

### 1.6.1 URL type

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

### 1.6.2 URI type

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

### 1.6.3 Status type

#### Literals

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