

## z2-Environment - Feature #2003

### Introduce (symbolic) component link and break up environment

06.05.2018 23:25 - Henning Blohm

<b>Status:</b>	Resolved	<b>Start date:</b>	06.05.2018
<b>Priority:</b>	Normal	<b>Due date:</b>	
<b>Assignee:</b>	Henning Blohm	<b>% Done:</b>	100%
<b>Category:</b>	z2-core	<b>Estimated time:</b>	0.00 hour
<b>Target version:</b>	2.6		
<b>origin:</b>			

#### Description

### Component linking

This is a useful pre-requisite for a flexible rearrangement of environment definitions as to avoid having to maintain complex definitions, such as web server configuration across multiple environments that would only differ in, for example, database configurations.

With the symbolic (component) link, a component definition would be completely delegated to another component without having the caller be aware of it.

Particular considerations are however:

- access to component resources
- defaulting e.g. Java component of the linked component.

The symbolic (component) link would delegate a) and b) to the target component name, that is, if M1/a linked to M2/b, the Java component defaulted to in M2/b would be M2/java.

In order to make sure a) can be implemented, simply having a "proxy" component is not sufficient, as that would not delegate file resource access today.

Hence either support on lower levels is required, or resource access is also delegatable via an `Resource.as(...)` invocation.

Note in documentation:

- the behavior for default lookups (`IResourceHandle`, `IResourceObserver`, `IComponentDescriptor`)
- how dependencies are handled

### Break Up of Environment

In order to avoid repetitive complex configurations when customizing the system environment module, the environment module is now by default a collection of link components pointing to resources and other definitions in an `environment.base` module.

Customization of the environment module is now a simple matter of piecemeal adaptation

#### History

##### #1 - 07.05.2018 21:02 - Henning Blohm

- Status changed from New to In Progress

##### #2 - 08.05.2018 22:39 - Henning Blohm

- Description updated

##### #3 - 08.05.2018 23:03 - Henning Blohm

- Subject changed from Introduce (symbolic) component link to Introduce (symbolic) component link and break up environment

- Description updated

##### #4 - 09.05.2018 08:51 - Henning Blohm

- Status changed from *In Progress* to *To Be Documented*

**#5 - 14.08.2018 09:47 - Henning Blohm**

- Status changed from *To Be Documented* to *Resolved*

- % Done changed from 0 to 100

Applied in changeset internal:internal-office|r2742.