

LivCos

Cosmos

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1 Intro

The Cosmos is the base interface to access all the data available. The hierarchical data structure similar to a file system or the Web. Domain object nodes form the first level in the hierarchy with the "localhost" as the special domain, differing from system to system.

Journal

2 Contents

The object model.

Cosmos Manipulation.

Access the Cosmos.

Search the Cosmos.

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Code Paths

3 Localhost

...

3.1 System Config

A simple config object in `/localhost/system/config` stores system dependent settings. For a new installation, where the localhost directory does not yet exist, a copy of `/livcos.org/sys/config_default` forms the initial config.

3.2 Unique Identifier

In some situations we like to identify a specific host instance within the Cosmos. For this purpose the localhost domain specifies a UUID that is generated at the first startup.

Never copy the `/localhost/ID.xml` file from one instance to another!

4 System Objects

Certain objects are interpreted by the system itself. They are located in the `.../sys` container object at every level in the hierarchy.

4.1 URI Access Resolver

The `.../sys/resolver` objects map the provided URIs to the corresponding access with object ID, view scope and optional parameters.

4.2 Job Status

`.../sys/status` and `.../sys/error`

4.3 History

`.../sys/status` and `.../sys/error`

4.3.1 Change Sets

`.../sys/history/sets`

4.3.2 Tags

`.../sys/history/tags/MyTag`, ...

4.3.3 Branches

`.../sys/history/branches/MyBranch`, ...