

Module Manager Types

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section *ModamTypes* **parents** *standard_toolkit*

This specification defines the basic types used by the ModuleManager of MODAM. A Module uses the following types:

[*ClassName*, *ExtId*, *DataId*, *Path*, *Contributor*, *JavaType*]

where *ClassName* is the set of all possible Java class names, *ExtId* is the set all possible Eclipse extension point identifiers (for example, `au.edu.qut.modam.assetfactory`), *DataId* is the set of all possible Data identifiers (eg. `NetworkData`) – these are used to link providers and consumers together via named ports, *Path* is the set of all filesystem paths to input data files, *Contributor* is the identifier of a module, and *JavaType* is a set of all possible Java parameters.

MethodName == *DataId*

where *MethodName* can have any prefix to *DataId* and set as the same type.

An error for the data providers

| *dataProviderError* : *ClassName*

A boolean type is defined

BOOLEAN ::= *YES* | *NO*

And we define extension point IDs and several other constants to represent specific values.

<i>modamAssetFactory</i> , <i>modamBehavFactory</i> , <i>modamDataProvider</i> : <i>ExtId</i> <i>noDataId</i> : <i>DataId</i> <i>noPath</i> : <i>Path</i> <i>nullClass</i> : <i>ClassName</i>
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<i>modamAssetFactory</i> ≠ <i>modamBehavFactory</i> <i>modamAssetFactory</i> ≠ <i>modamDataProvider</i> <i>modamBehavFactory</i> ≠ <i>modamDataProvider</i>
