**UnionVms**

**Asset**

Nhi Ly

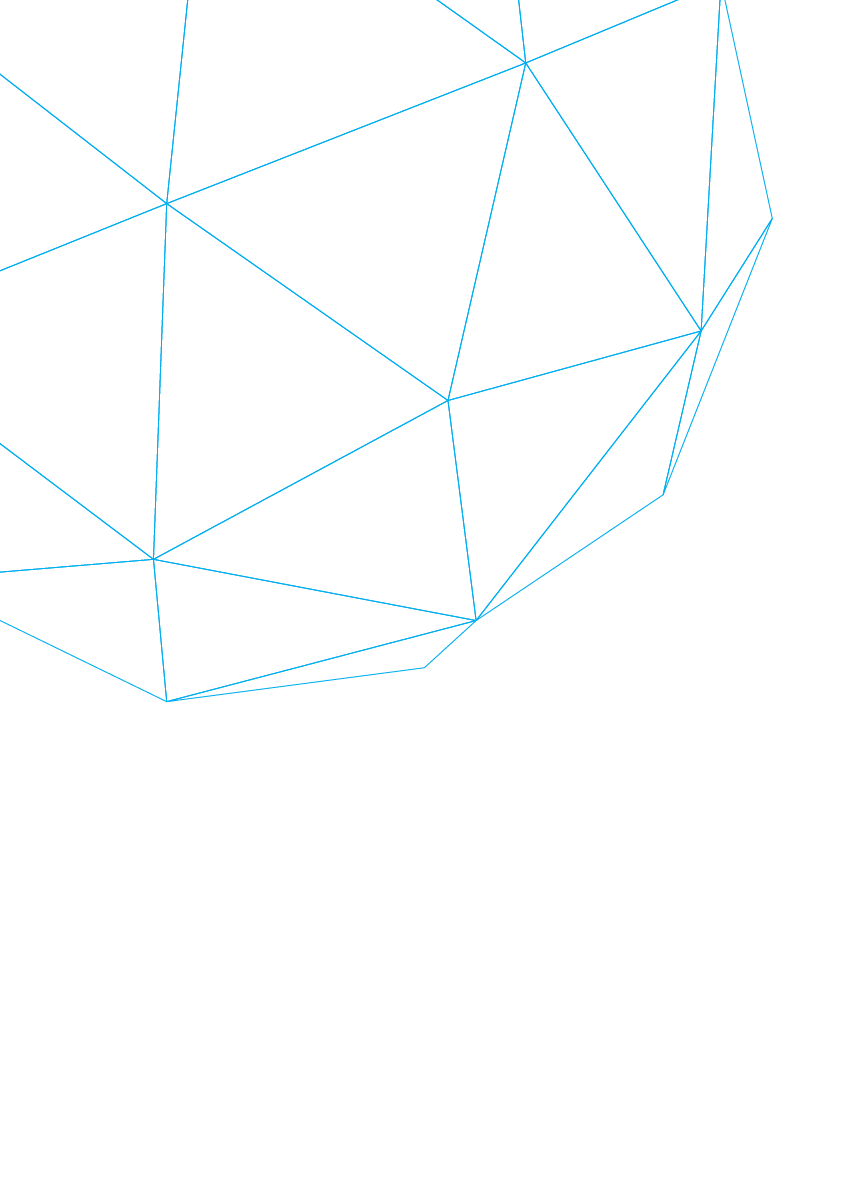


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| --- | --- | --- |
| Author | Changes | Date |
| Nhi Ly | Created document | 2016-01-15 |
|  |  |  |

# Document history

## Module description/purpose

Asset module is supposed to be a generic module. Focuses on a general concept, which means the module should provide the basic data structures and business logic where other modules can be implemented. Modules implementing the Asset module, the generalization module, will result in having the same design and structure of implementation. This implies a better and easier way for maintenance, but also a more efficient way to build new modules.

But because of incomplete requirements, undefined stakeholders and incomplete usage area when design and implementation phase started for Asset module, has led to the module has a design and implementation that support specifically for a fishing vessel.

The main functionalities of the Asset module are store and provide information of a vessel to other integrated modules. The vessel information can be accessed and stored in two ways, either by calling the REST-API interface or by a message queue service. Please see the Java doc for more information.

## Module dependencies

|  |  |
| --- | --- |
| Name | Description |
| Audit |  |
| User |  |

### JMS-Queue dependencies

The jndi name example is taken from wildfly8.2 application server

|  |  |  |
| --- | --- | --- |
| Name | Jndi name example | Description |
| UVMSAssetEvent | java:/jms/queue/UVMSAssetEvent | Request queue to Asset service module |
| UVMSAsset | java:/jms/queue/UVMSAsset | Response queue to Asset module |
| UVMSAssetModel | java:/jms/queue/UVMSAssetModel | Request queue to Asset database module |
| UVMSAssetXEU | java:/jms/queue/UVMSAssetXEU | Request queue to external resource (EU register) |
| UVMSAssetNational | java:/jms/queue/UVMSAssetNational | Request queue to external resource (National register) |
| UVMSAuditEvent | java:/jms/queue/UVMSAuditEvent | Request queue to Audit service module |
| UVMSAudit | java:/jms/queue/UVMSAudit | Response queue to Audit module |
| UVMSAuditModel | java:/jms/queue/UVMSAuditModel | Request queue to Audit database module |
| UVMSUserEvent | java:/jms/queue/UVMSUserEvent | Request queue to User service module |
| UVMSUser | java:/jms/queue/UVMSUser | Response queue to User module |

### Datasources

The jndi name example is taken from wildfly8.2 application server

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Jndi name example |  | Description |
| uvms\_asset | java:jboss/datasources/uvms\_asset |  |  |
| uvms\_audit | java:jboss/datasources/uvms\_audit |  |  |
| uvms\_usm | java:jboss/datasources/uvms\_usm |  |  |
|  |  |  |  |

## Tested compatibilities

|  |  |
| --- | --- |
| Application server | * Wildfly 8.1 * Wildfly 8.2 |
| Database | * Postgres 9.4.4 |
| JMS provider | * ActiveMq 5.0 |

## Available app modules

All database modules can be found under the DB folder

|  |  |
| --- | --- |
| Name | Purpose |
| asset-module | Provide the interface to REST-API and message queuing service |

## Available database modules

All database modules can be found under the DB folder

|  |  |
| --- | --- |
| Name | Purpose |
| asset-dbaccess-module | Provide the interface to the database |

### Available proxy modules

All proxy modules can be found under the PROXY folder

|  |  |
| --- | --- |
| Name | Purpose |
| eu-vessel-proxy | Module to access to the EU register |
| hav-vessel-proxy | Module to access to Havs och vattenmyndigheten register |

### Available plugin modules

All plugin modules can be found under the PLUGIN folder

|  |  |
| --- | --- |
| Name | Purpose |
| N/A | N/A |

### Liquibase – database compatibility

All Liquibase scripts can be found under the LIQUIBASE folder

|  |  |
| --- | --- |
| Name | Purpose |
| Postgres | 9.4.4 with PostGis extension |