

# Acumos\_Demeter\_Release

1. This is Demeter release assembly. This assembly consists new features and bug fixes from all components. Below are the key features delivered in Demeter release.

## Cloud Enablement:

- Containerized platform deployment incorporating cloud native functions, horizontal scaling, and implementation flexibility

## On Boarding:

- CLI message response with the Acumos Docker model
- Support for Pre-dockerized and Dockerized model URI with protobuf file to render models useable in Design studio.

## Licensing :

- Activity tracking and reporting – License usage manager (LUM) maintains logs of model usage
- Integration of License module with Portal UI.

## Training:

- Bidirectional communication over the federation link between subscriber and supplier instances to support ML life cycle management and continuous learning

## ML WorkBench:

- **Predictor Manager:**  
The Predictor Manager manages the model deployment, visualization of deployment metadata and association to a project.
- **Data source:**  
The Data Source feature allows user to create and associate project data with a model to create, update, and delete data set used for training, validation and testing.

## Portal:

- Integration of License module with Portal.

## 2. Platform-Components:

Component	Release Notes
<a href="https://nexus3.acumos.org:10002/acumos/acumos-azure-client:3.0.5">nexus3.acumos.org:10002/acumos/acumos-azure-client:3.0.5</a>	3.0.5
<a href="https://nexus3.acumos.org:10002/acumos/acumos-elasticsearch:4.0.3">nexus3.acumos.org:10002/acumos/acumos-elasticsearch:4.0.3</a>	<a href="#">OA&amp;M Release Notes</a>
<a href="https://nexus3.acumos.org:10002/acumos/acumos-filebeat:4.0.3">nexus3.acumos.org:10002/acumos/acumos-filebeat:4.0.3</a>	<a href="#">OA&amp;M Release Notes</a>
<a href="https://nexus3.acumos.org:10002/acumos/acumos-kibana:4.0.3">nexus3.acumos.org:10002/acumos/acumos-kibana:4.0.3</a>	<a href="#">OA&amp;M Release Notes</a>
<a href="https://nexus3.acumos.org:10002/acumos/acumos-logstash:4.0.3">nexus3.acumos.org:10002/acumos/acumos-logstash:4.0.3</a>	<a href="#">OA&amp;M Release Notes</a>
<a href="https://nexus3.acumos.org:10002/acumos/acumos-metricbeat:4.0.3">nexus3.acumos.org:10002/acumos/acumos-metricbeat:4.0.3</a>	<a href="#">OA&amp;M Release Notes</a>
<a href="https://nexus3.acumos.org:10002/acumos/acumos-portal-be:4.0.12">nexus3.acumos.org:10002/acumos/acumos-portal-be:4.0.12</a>	4.0.12
<a href="https://nexus3.acumos.org:10002/acumos/acumos-portal-fe:4.0.12">nexus3.acumos.org:10002/acumos/acumos-portal-fe:4.0.12</a>	4.0.12
<a href="https://nexus3.acumos.org:10002/acumos/common-dataservice:3.1.1">nexus3.acumos.org:10002/acumos/common-dataservice:3.1.1</a>	3.1.1
<a href="https://nexus3.acumos.org:10002/acumos/ds-compositionengine:3.0.6">nexus3.acumos.org:10002/acumos/ds-compositionengine:3.0.6</a>	3.0.6
<a href="https://nexus3.acumos.org:10002/acumos/federation-gateway:3.2.2">nexus3.acumos.org:10002/acumos/federation-gateway:3.2.2</a>	3.2.2
<a href="https://nexus3.acumos.org:10002/acumos/kubernetes-client:3.0.3">nexus3.acumos.org:10002/acumos/kubernetes-client:3.0.3</a>	3.0.3
<a href="https://nexus3.acumos.org:10002/acumos/microservice-generation:4.7.0">nexus3.acumos.org:10002/acumos/microservice-generation:4.7.0</a>	4.7.0
<a href="https://nexus3.acumos.org:10002/acumos/onboarding-app:4.6.2">nexus3.acumos.org:10002/acumos/onboarding-app:4.6.2</a>	4.6.2
<a href="https://nexus3.acumos.org:10002/acumos/openstack-client:3.0.3">nexus3.acumos.org:10002/acumos/openstack-client:3.0.3</a>	<a href="#">openstack-client release notes</a>
<a href="https://nexus3.acumos.org:10002/acumos/elk-client:4.0.3">nexus3.acumos.org:10002/acumos/elk-client:4.0.3</a>	<a href="#">OA&amp;M Release Notes</a>
<a href="https://nexus3.acumos.org:10002/acumos/dashboard-webcomponent:3.0.0">nexus3.acumos.org:10002/acumos/dashboard-webcomponent:3.0.0</a>	3.0.0
<a href="https://nexus3.acumos.org:10002/acumos/home-webcomponent:3.0.0">nexus3.acumos.org:10002/acumos/home-webcomponent:3.0.0</a>	3.0.0

<a href="https://nexus3.acumos.org:10002/acumos/notebook-catalog-webcomponent:2.0.9">nexus3.acumos.org:10002/acumos/notebook-catalog-webcomponent:2.0.9</a>	2.0.9
<a href="https://nexus3.acumos.org:10002/acumos/notebook-webcomponent:2.0.9">nexus3.acumos.org:10002/acumos/notebook-webcomponent:2.0.9</a>	2.0.9
<a href="https://nexus3.acumos.org:10002/acumos/project-webcomponent:3.0.0">nexus3.acumos.org:10002/acumos/project-webcomponent:3.0.0</a>	3.0.0
<a href="https://nexus3.acumos.org:10002/acumos/project-catalog-webcomponent:2.0.9">nexus3.acumos.org:10002/acumos/project-catalog-webcomponent:2.0.9</a>	2.0.9
<a href="https://nexus3.acumos.org:10002/acumos/pipeline-catalog-webcomponent:2.0.9">nexus3.acumos.org:10002/acumos/pipeline-catalog-webcomponent:2.0.9</a>	2.0.9
<a href="https://nexus3.acumos.org:10002/acumos/pipeline-webcomponent:2.0.9">nexus3.acumos.org:10002/acumos/pipeline-webcomponent:2.0.9</a>	2.0.9
<a href="https://nexus3.acumos.org:10002/acumos/datasource-webcomponent:3.0.0">nexus3.acumos.org:10002/acumos/datasource-webcomponent:3.0.0</a>	3.0.0
<a href="https://nexus3.acumos.org:10002/acumos/datasource-catalog-webcomponent:3.0.0">nexus3.acumos.org:10002/acumos/datasource-catalog-webcomponent:3.0.0</a>	3.0.0
<a href="https://nexus3.acumos.org:10002/acumos/project-service:2.0.5">nexus3.acumos.org:10002/acumos/project-service:2.0.5</a>	2.0.5
<a href="https://nexus3.acumos.org:10002/acumos/notebook-service:2.0.5">nexus3.acumos.org:10002/acumos/notebook-service:2.0.5</a>	2.0.5
<a href="https://nexus3.acumos.org:10002/acumos/pipeline-service:2.0.5">nexus3.acumos.org:10002/acumos/pipeline-service:2.0.5</a>	2.0.5
<a href="https://nexus3.acumos.org:10002/acumos/model-service:2.0.4">nexus3.acumos.org:10002/acumos/model-service:2.0.4</a>	2.0.4
<a href="https://nexus3.acumos.org:10002/acumos/predictor-service:1.0.5">nexus3.acumos.org:10002/acumos/predictor-service:1.0.5</a>	1.0.5
<a href="https://nexus3.acumos.org:10002/acumos/datasource-service:1.0.0">nexus3.acumos.org:10002/acumos/datasource-service:1.0.0</a>	1.0.0
<a href="https://nexus3.acumos.org:10002/acumos/security-verification:1.2.2">nexus3.acumos.org:10002/acumos/security-verification:1.2.2</a>	1.2.2
<a href="https://nexus3.acumos.org:10002/acumos/license-rtu-editor:0.1.6">nexus3.acumos.org:10002/acumos/license-rtu-editor:0.1.6</a>	0.1.6
<a href="https://nexus3.acumos.org:10002/acumos/license-profile-editor:0.0.13">nexus3.acumos.org:10002/acumos/license-profile-editor:0.0.13</a>	0.0.13
<a href="https://nexus3.acumos.org:10002/acumos/lum-server:1.3.4">nexus3.acumos.org:10002/acumos/lum-server:1.3.4</a>	1.3.4
<a href="https://nexus3.acumos.org:10002/acumos/lum-db:1.3.4">nexus3.acumos.org:10002/acumos/lum-db:1.3.4</a>	1.3.4
<a href="https://nexus3.acumos.org:10002/acumos/deployment-client:1.0.8">nexus3.acumos.org:10002/acumos/deployment-client:1.0.8</a>	1.0.8

### 3. Model-execution-components:

- [nexus3.acumos.org:10002/sql databroker:1.2.0](https://nexus3.acumos.org:10002/sql databroker:1.2.0)
- [nexus3.acumos.org:10002/csv databroker:1.4.0](https://nexus3.acumos.org:10002/csv databroker:1.4.0)
- [nexus3.acumos.org:10002/acumos/onboarding-base-r:1.2.0](https://nexus3.acumos.org:10002/acumos/onboarding-base-r:1.2.0)
- [nexus3.acumos.org:10002/blueprint-orchestrator:2.0.13](https://nexus3.acumos.org:10002/blueprint-orchestrator:2.0.13)
- [nexus3.acumos.org:10002/h2o-genericjava-modelrunner:2.2.3](https://nexus3.acumos.org:10002/h2o-genericjava-modelrunner:2.2.3)
- [nexus3.acumos.org:10002/databroker-zipbroker:1.0.0](https://nexus3.acumos.org:10002/databroker-zipbroker:1.0.0)
- [nexus3.acumos.org:10002/acumos-proto-viewer:1.5.7](https://nexus3.acumos.org:10002/acumos-proto-viewer:1.5.7)

### 4. Libraries:

- Acumos Java Client - [acumos-java-client:4.2.0](https://nexus3.acumos.org:10002/acumos-java-client:4.2.0)
- TOSCA - 2.0.0
- Common Dataservice Client - [cmn-data-svc-client:3.1.1](https://nexus3.acumos.org:10002/cmn-data-svc-client:3.1.1)
- Generic Data mapper service – TBD
- License-Manager-Client-Library - 1.5.1
- Acumos R Client - [acumos-r-client:0.3.0](https://nexus3.acumos.org:10002/acumos-r-client:0.3.0)
- Acumos C Client - [acumos-c-client:1.2](https://nexus3.acumos.org:10002/acumos-c-client:1.2)
- Acumos Python Client - [acumos-python-client:0.9.5](https://nexus3.acumos.org:10002/acumos-python-client:0.9.5)
- Python Model Runner - [python-model-runner:0.2.4](https://nexus3.acumos.org:10002/python-model-runner:0.2.4)

### 5. Defects:

T	P	Status	Component(s)	Key	Fix Version(s)	Summary
		CLOSED		ACUM OS-3956	acu-py-clnt-0.9.3	Problems about new_type (Defining Unstructured Types) in acumos python client

		CLOSED	microservice-generation, model-runner	ACUM OS-4006	py-mdl-rnr-0.2.4	Version of werkzeug (dependent package for microservice generation and acumos_model_runner) may need to be fixed
		DELIVERED	on-boarding, portal-marketplace	ACUM OS-4146	obrd-4.6.2	Wrong docker proxy port
		CLOSED	on-boarding	ACUM OS-3861	obrd-4.6.3, obrd-base-r-1.2.1	<IST><Onboarding>Error displayed while executing R model
		CLOSED	platform-oam	ACUM OS-4072	oam-4.0.2	IST - Kibana fails to staRT
		CLOSED	portal-marketplace	ACUM OS-4150	pm-4.0.12	License Admin: Modify License popup is opening when user click on create new button
		CLOSED	portal-marketplace	ACUM OS-4162	pm-4.0.11	Site Admin: On clicking on site admin giving 404 error when user open application on https by default user
		CLOSED	acumos-java-client, microservice-generation	ACUM OS-4106	ms-4.7.0, java-clnt-4.2.0	<IST>H2O- Java onboarding is failing with latest Java client 4.1.0
		CLOSED	portal-marketplace	ACUM OS-4135	pm-4.0.9	License Admin: Create New License: Success Message is not displaying when user create/modify license
		CLOSED		ACUM OS-3990	pm-4.0.5	Model Artifacts: Docker Image (tar file) is getting zero kb download after the message
		CLOSED	portal-marketplace	ACUM OS-4102	pm-4.0.7	Upload New : Model Name availability functionality is not working
		CLOSED	common-dataservice, portal-marketplace	ACUM OS-3974	pm-4.0.5	Api : "/access/user/{userId}/catalog" is not returning user specific catalogs
		CLOSED	license-manager, license-mgt	ACUM OS-3960	lcns-mgr-clnt-lib-1.4.4	RTU:- Unable to download artifacts and deploy to cloud for specific user who has authority or permission to download.
		CLOSED	portal-marketplace	ACUM OS-4036	pm-4.0.4	<IST> While on-boarding (through web on-boarding) a model with license, then on-board button is not getting enabled.
		CLOSED	portal-marketplace	ACUM OS-3955	pm-4.0.1	Unable to publish model based on weekly build CDS version /cache/issue/new not backward compatible api created for /catalogs
		CLOSED	portal-marketplace	ACUM OS-4030	pm-4.0.3	All Catalog List is not displaying for publisher and admin role
		CLOSED	portal-marketplace	ACUM OS-4103	pm-4.0.7	ON-BOARD DOCKERIZED MODEL UI Issues
		CLOSED	design-studio, workbench	ACUM OS-4186	datasrc-webcmpnt-3.0.0, datasrc-ctlg-webcmpnt-3.0.1	IST   Design Studio   MLWB   Data Source   Error message is not appropriate field if filled with wrong data
		CLOSED	platform-oam	ACUM OS-3753	oam-4.0.1	<IST> Need more details on Where archived and restored logs are stored in application
		CLOSED	python-model-runner	ACUM OS-4010	py-mdl-rnr-0.2.4	python with no parameter method (empty) does not work in model runner.

Showing 20 out of 76 issues

## 6. User Stories:

T	P	Status	Component(s)	Key	Fix Version(s)	Summary
		CLOSED	workbench	ACUM OS-3786	prj-wbcmpnt-3.0.0, prdctr-svc-1.0.5	MLW - Predictor Manager
		CLOSED	microservice-generation	ACUM OS-3978	obrd-4.3.0	Code changes to trigger docker build using Jenkins
		CLOSED	microservice-generation	ACUM OS-3979	ms-4.6.0	Define Jenkins Job script to build docker image for a given model
		CLOSED	license-manager, license-mgt, workbench	ACUM OS-3483	dsce-3.0.6	As a Supplier, I should be able allow/deny my model to be included in creation of composite models (i.e. chaining models)
		CLOSED	on-boarding, portal-marketplace	ACUM OS-3144	pm-4.0.5	Enrich pre-dockerized models
		CLOSED	acumos-java-client	ACUM OS-3898	java-clnt-4.1.0	give image tag URL
		CLOSED	acumos-c-client	ACUM OS-3728	cpp-client-1.1, acms-c-clnt-1.2	Create CLI on-boarding for C++ model
		DELIVERED	portal-marketplace	ACUM OS-4107	pm-4.0.9	There is not submit button in the Select Favorite Catalog screen
		CLOSED	portal-marketplace	ACUM OS-4115	pm-4.0.7	In the pagination view "entries" should replace with "Catalogs"
		CLOSED	portal-marketplace	ACUM OS-3823	pm-4.0.2	Add protobuf and license file for upload new pre-dockerized model
		CLOSED	portal-marketplace	ACUM OS-3824	pm-4.0.2	add protobuf and license file for upload revision of pre-dockerized model
		CLOSED	portal-marketplace	ACUM OS-3782	pm-4.0.3	Portal Pagination Search Enhancement
		CLOSED	portal-marketplace	ACUM OS-3748	pm-4.0.0	As a model owner, I would like to have a separate step to load a license profile in the publishing screen
		CLOSED	portal-marketplace	ACUM OS-3749	pm-4.0.1	As a model user, I would like to view the license profile in a human readable format
		DELIVERED	license-mgt	ACUM OS-3083	deploy-clnt-1.0.8	Tracking of model (asset) activity off platform and providing reporting via dashboard
		CLOSED	license-manager, license-mgt	ACUM OS-3575	lcns-rtu-edtr-0.1.6, lcns-prfl-edtr-0.0.13	RTU Enhancements
		CLOSED	license-manager	ACUM OS-3734	lum-1.3.0	As a Supplier, I want to be able to provide a RTU with a duration of use constraint.
		CLOSED	workbench	ACUM OS-3787	datasrc-webcmpnt-3.0.0, datasrc-ctlg-webcmpnt-3.0.0, datasrc-svc-1.0.0	Data Source integration with workbench

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		<span>CLOSED</span>	federation, training	<a href="#">ACUMOS-3742</a>	fgw-3.2.2	<a href="#">As a supplier I need to send the updates to subscriber</a>
		<span>CLOSED</span>	deployment-client, federation, system-integration, training	<a href="#">ACUMOS-3743</a>	fgw-2.2.0, deploy-clnt-1.0.8	<a href="#">As a subscriber, I need to send parameter updates to supplier</a>

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Showing 20 out of [76 issues](#)

**Note:** Issue ACUMOS-4181 is model data related issue. Models cannot be connected if number of input and output fields in signature are large. UI throws error for the same while adding link. ACUMOS-4181 is closed considering known issue. A new Jira ticket ACUMOS-4189 is raised for tracking purpose.