

Roadmap

Planned releases

Release 0.9.0(Planned)

Target Date:

Code Freeze Date:

Release Manager:

Target Features:

JIRA	Category	Description	Assignee
 SUBMARINE-1306 - Upgrade database support OPEN	Experiment	Upgrade database support (Hibernate, Postgresql ...)	Need assignee

Key	Summary	T	Created	Updated	Due	Assignee	Reporter	P	Status	Resolution
SUBMARINE-1415	Upgrad workbench node and angular		Nov 26, 2023	Nov 26, 2023		Unassigned	cdmikechen		OPEN	Unresolved
SUBMARINE-1414	Upgrade java k8s client to 18(k8s-java-client)/6.7 (fabric8)		Nov 11, 2023	Nov 25, 2023		cdmikechen	cdmikechen		RESOLVED	Fixed
SUBMARINE-1413	Add 0.8.0 release to doap file.		Sep 29, 2023	Nov 11, 2023		Unassigned	cdmikechen		RESOLVED	Fixed
SUBMARINE-1412	Add the missing 0.8.0 download page		Sep 24, 2023	Sep 24, 2023		cdmikechen	cdmikechen		RESOLVED	Fixed
SUBMARINE-1411	Create 0.8.0 documents		Sep 23, 2023	Sep 24, 2023		cdmikechen	cdmikechen		RESOLVED	Fixed
SUBMARINE-1410	Update website node to 18		Sep 23, 2023	Nov 12, 2023		cdmikechen	cdmikechen		RESOLVED	Fixed
SUBMARINE-1409	[Umbrella] Upgrade node to 18		Sep 23, 2023	Sep 23, 2023		cdmikechen	cdmikechen		OPEN	Unresolved
SUBMARINE-1408	Fix ubuntu low disk space issue		Sep 17, 2023	Sep 18, 2023		cdmikechen	cdmikechen		RESOLVED	Fixed
SUBMARINE-1407	Add ASF DOAP File		Sep 08, 2023	Sep 23, 2023		cdmikechen	cdmikechen		RESOLVED	Fixed
SUBMARINE-1406	Fix misdescriptions in how-to-release documentation		Sep 03, 2023	Sep 29, 2023		cdmikechen	cdmikechen		RESOLVED	Fixed

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Release 0.8.1(Planned)

Target Date:

Code Freeze Date:

Release Manager:

Target Features:

JIRA	Category	Description	Assignee
 SUBMARINE-1345 - Support XGBoost OPEN	Experiment	Add XGBoost support.	Need assignee

 SUBMARINE-1385 - [Umbrella] Update SDKs and Images to latest versions IN PROGRESS	Python SDK	Update TensorFlow/Pytorch/Milflow/Tensorboard/Conda/Minio versions to the latest and deal with related version dependency issues encountered	Need assignee
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Key	Summary	T	Created	Updated	Due	Assignee	Reporter	P	Status	Resolution
SUBMARINE-1397	Add experiment-prehandler unit test		Jul 29, 2023	Sep 23, 2023		Unassigned	cdmikechen		OPEN	Unresolved
SUBMARINE-1391	Remove Python3.7 and support Tensorflow 2.6-2.10		Jul 08, 2023	Nov 19, 2023		cdmikechen	cdmikechen		RESOLVED	Fixed
SUBMARINE-1387	Update Jupyter and Conda version		Jun 30, 2023	Dec 02, 2023		cdmikechen	cdmikechen		RESOLVED	Fixed
SUBMARINE-1385	[Umbrella] Update SDKs and Images to latest versions		Jun 23, 2023	Nov 19, 2023		cdmikechen	cdmikechen		IN PROGRESS	Unresolved
SUBMARINE-1382	Upgrade go k8s client to 1.25+		May 17, 2023	Nov 26, 2023		cdmikechen	cdmikechen		IN PROGRESS	Unresolved
SUBMARINE-1377	Add SDK XGBoost support		Apr 01, 2023	Jun 21, 2023		Unassigned	cdmikechen		OPEN	Unresolved
SUBMARINE-1376	XGBoost experiment pods will be deleted so that submarine can not get logs		Apr 01, 2023	Jun 10, 2023		cdmikechen	cdmikechen		REOPENED	Unresolved
SUBMARINE-1345	Support XGBoost		Nov 06, 2022	Jun 21, 2023		Unassigned	cdmikechen		OPEN	Unresolved
SUBMARINE-1344	Unified Version Definition [CICD/Shell]		Oct 16, 2022	Jun 21, 2023		Unassigned	cdmikechen		OPEN	Unresolved
SUBMARINE-1328	Unified Version Definition		Sep 20, 2022	Jun 23, 2023		cdmikechen	cdmikechen		OPEN	Unresolved

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Completed releases (Following releases are all completed)

Release 0.8.0(Released)

Target Date: 9/23/2023

Code Freeze Date:

Release Manager: cdmikechen

Target Features:

JIRA	Category	Description	Assignee
 SUBMARINE-1152 - Submarine UI support i18n RESOLVED	Workbench	Making submarine support i18n is a meaningful work, which can make it more convenient for users using different languages.	cdmikechen

<div> <div>+</div> <div>SUBMARINE-1272 - [Umbrella] Submarine-cloud-v3</div> <div>RESOLVED</div> </div>	Cloud-native Deployment	We want to build a more robust and easy develop operator with operator-sdk (submarine-cloud-v3) and update supported k8s version to latest(1.24/1.25).	cdmikechen
<div> <div>+</div> <div>SUBMARINE-1438 - New SSO function based on OIDC</div> <div>RESOLVED</div> </div>	Security	Use pac4j to support OIDC and other SSO.	cdmikechen
<div> <div>↑</div> <div>SUBMARINE-1320 - Drop supports for Python2.7 and Python3.6</div> <div>RESOLVED</div> </div>	Python SDK	<p>Python2.7 has reached EOL since January 1, 2020. Python3.6 also has reached EOL since Dec 23, 2021. Popular ML/DL packages, such as Tensorflow and Pytorch, have not support Python 3.6. The support for Python3.6 will affect the dependency maintenance in the future.</p> <p>Therefore, we should upgrade syntax for newer versions of Python.</p>	Yao-Ching Huang
<div> <div>↑</div> <div>SUBMARINE-1327 - Upgrade K8s to support the latest 3 releases</div> <div>RESOLVED</div> </div>	Cloud-native Deployment	We are still only up to 1.21 on the master branch and we need to consider how to support the latest releases of k8s and make the relevant adjustments. Currently planned support for k8s versions: 1.22, 1.23, 1.24 . And 1.25 will be supported when it is relatively stable.	cdmikechen

Key	Summary	T	Created	Updated	Due	Assignee	Reporter	P	Status	Resolution
SUBMARINE-1408	Fix ubuntu low disk space issue	🔴	Sep 17, 2023	Sep 18, 2023		cdmikechen	cdmikechen	🔴	RESOLVED	Fixed
SUBMARINE-1404	Fix version-related and licence issues	🔴	Aug 27, 2023	Aug 30, 2023		cdmikechen	cdmikechen	🔴	RESOLVED	Fixed
SUBMARINE-1403	Preparing Submarine release 0.8.0-RC0	🟢	Aug 27, 2023	Aug 31, 2023		cdmikechen	cdmikechen	🔴	RESOLVED	Fixed
SUBMARINE-1402	serving does not work with k8s 1.25	🔴	Aug 20, 2023	Aug 24, 2023		cdmikechen	cdmikechen	🔴	RESOLVED	Fixed
SUBMARINE-1401	Refactor docker image workflow to avoid no space issues	🔴	Aug 04, 2023	Aug 12, 2023		Unassigned	cdmikechen	🔴	RESOLVED	Fixed
SUBMARINE-1400	jupyter-gpu image 11.0.3	🟢	Aug 04, 2023	Aug 04, 2023		cdmikechen	cdmikechen	🔴	RESOLVED	Fixed
SUBMARINE-1398	jupyter-gpu mismatch between cuda version and image's runtime	🔴	Aug 02, 2023	Sep 23, 2023		Unassigned	cdmikechen	🔴	RESOLVED	Abandoned
SUBMARINE-1396	Split experiment-prehandler test into separate action	🟢	Jul 29, 2023	Jul 31, 2023		cdmikechen	cdmikechen	🔴	RESOLVED	Fixed
SUBMARINE-1395	Remove unauthenticated login	🟢	Jul 23, 2023	Aug 17, 2023		cdmikechen	cdmikechen	🔴	RESOLVED	Fixed
SUBMARINE-1392	Modify the description of creating a jira account in the documentation	🟢	Jul 14, 2023	Jul 29, 2023		cdmikechen	cdmikechen	🔴	RESOLVED	Fixed

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Release 0.7.0(Released)

Target Date: 4/25/2022

Code Freeze Date:

Release Manager: Kevin Su

Target Features:

Key	Summary	T	Created	Updated	Due	Assignee	Reporter	P	Status	Resolution
SUBMARINE-1265	Release 0.7.0 document	📈	Apr 29, 2022	May 30, 2023		KUAN-HSUN-LI	KUAN-HSUN-LI	🔴	RESOLVED	Fixed
SUBMARINE-1258	Fix go format	🔴	Apr 16, 2022	Apr 17, 2022		KUAN-HSUN-LI	KUAN-HSUN-LI	🔴	RESOLVED	Fixed
SUBMARINE-1256	Organize website document	✅	Apr 14, 2022	Apr 15, 2022		Jhan-Shuo Liu	Jhan-Shuo Liu	🔴	RESOLVED	Fixed
SUBMARINE-1252	Make the figure and hint that search submarine channel in ASF more clear	📈	Apr 07, 2022	Apr 08, 2022		Chen Yu Teng	Chen Yu Teng	🔵	RESOLVED	Fixed
SUBMARINE-1251	Fix experiment patch error and modify the error handling	🔴	Apr 04, 2022	Apr 05, 2022		KUAN-HSUN-LI	KUAN-HSUN-LI	🔴	RESOLVED	Fixed
SUBMARINE-1233	Notebook auto-reload	🔴	Mar 23, 2022	Mar 23, 2022		Jhan-Shuo Liu	Jhan-Shuo Liu	🔴	RESOLVED	Fixed
SUBMARINE-1229	Minio initContainer pod (mflow and server) not working properly in openshift	🔴	Mar 20, 2022	Apr 05, 2022		cdmikechen	cdmikechen	🔴	RESOLVED	Fixed
SUBMARINE-1227	The conflict of some resource names will shut down the operator	🔴	Mar 20, 2022	Mar 29, 2022		cdmikechen	cdmikechen	🔴	RESOLVED	Fixed
SUBMARINE-1218	Experiment Agent is not deleted when deleting a related experiment	🔴	Mar 14, 2022	Mar 18, 2022		Yu-Tang Lin	KUAN-HSUN-LI	🔴	RESOLVED	Fixed
SUBMARINE-1217	Image name for defined experiment	✅	Mar 14, 2022	Mar 14, 2022		Jhan-Shuo Liu	Jhan-Shuo Liu	🔴	RESOLVED	Fixed

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Release 0.6.0(Released)

Target Date: 10/21/2021

Code Freeze Date:

Release Manager: Kevin Su

Target Features:

JIRA	Category	Description	Assignee
🔴 SUBMARINE-1024 - Failed to build jupyter image RESOLVED	Experiment Template	Fix the error when building the jupyter image	Kevin Su

Key	Summary	T	Created	Updated	Due	Assignee	Reporter	Priority	Status	Resolution
SUBMARINE-1024	Failed to build jupyter image	🔴	Sep 13, 2021	Sep 14, 2021		Kevin Su	Kevin Su		RESOLVED	Fixed

SUBMA RINE-1003	Deploy website only when updating the file in website directory	↑	Aug 30, 2021	Aug 31, 2021	Kevin Su	Kevin Su	RESOLVED	Fixed
SUBMA RINE-994	Fix broken link in README	↑	Aug 26, 2021	Aug 26, 2021	Kevin Su	Kevin Su	RESOLVED	Fixed
SUBMA RINE-981	Update com.google.guava:guava version	↑	Aug 15, 2021	Sep 01, 2021	Lisa Chang	Kevin Su	RESOLVED	Fixed
SUBMA RINE-980	Upload code coverage to SonarCloud	↑	Aug 15, 2021	Sep 13, 2021	Lisa Chang	Kevin Su	RESOLVED	Fixed
SUBMA RINE-977	Fix sonarcloud workflow run error	●	Aug 14, 2021	Aug 15, 2021	Kevin Su	Kevin Su	RESOLVED	Fixed
SUBMA RINE-974	How to contributed submarine step 8 is outdated	↑	Aug 12, 2021	Aug 13, 2021	KUAN-HSUN-LI	KUAN-HSUN-LI	RESOLVED	Fixed
SUBMA RINE-963	Add SonarCloud config in GA	↑	Aug 04, 2021	Aug 14, 2021	Kevin Su	Kevin Su	RESOLVED	Fixed
SUBMA RINE-962	Delete temporary build artifacts before caching	●	Aug 04, 2021	Aug 06, 2021	Kevin Su	Kevin Su	RESOLVED	Fixed
SUBMA RINE-957	Extract helm dependencies from submarine operator	↑	Aug 01, 2021	Aug 09, 2021	Chi-Sheng Liu	Chi-Sheng Liu	RESOLVED	Fixed

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Release 0.5.0(Released)

Target Date: 12/24/2020

Code Freeze Date:

Release Manager: Kevin Su

Target Features:

JIRA	Category	Description	Assignee
 SUBMARINE-569 - [API] Define Swagger API for pre-defined template registration/delete, etc. RESOLVED	Predefined Experiment	Predefined Template: <ul style="list-style-type: none"> [API] Define Experiment API for pre-defined template [SDK] Add Python SDK to support pre-defined experiment [Sever] Support submit pre-defined template, and translate it to an actual job 	John Ting
 SUBMARINE-569 - [Umbrella] Submarine Experiment UI RESOLVED	Experiment UI	<ul style="list-style-type: none"> [UI]: Allow Run Adhoc Python/TF/PyTorch Experiment via UI [UI] Allow Run pre-defined experiment 	Various
 SUBMARINE-570 - Support run experiment/notebook with synced code RESOLVED	Common	Support run experiment/notebook with defined code sync (like Git repo)	Need assignee
 SUBMARINE-571 - [Umbrella] Environment management UI RESOLVED	Environment UI	UI for environment management (add/remove/update)	Need assignee

<div> <div>+</div> <div>SUBMARINE-507 - [Umbrella] Submarine Environment Management</div> <div>RESOLVED</div> </div>	Environment	<ul style="list-style-type: none"> [API] Define swagger API for environment management (add/remove/update/list) [Server] Support get an environment definition, and generate experiment/notebook submission spec [Dockerfile] Prepare sample Dockerfile for Environment 	Mani
<div> <div>+</div> <div>SUBMARINE-477 - [Umbrella] Support Jupyter notebook</div> <div>RESOLVED</div> </div>	Notebook	<ul style="list-style-type: none"> [API] Define Swagger API for notebook management (Launch/Delete/Get) [Server] Implement logic to submit Jupyter notebook to K8s (with Environment/code sync) 	Ryan Lo

T	Key	Summary	P	Status	Created	Updated	Assignee	Reporter
	SUBMARIN E-748	Update Contributing guide		RESOLVED	Feb 21, 2021	Mar 10, 2021	Kai-Hsun Chen	Kai-Hsun Chen
	SUBMARIN E-688	Improve the document "helm.md"		RESOLVED	Nov 29, 2020	Dec 01, 2020	Ryan Lo	Ryan Lo
<div>+</div>	SUBMARIN E-679	submarine spark-security plugin needs to support spark3.0		RESOLVED	Nov 20, 2020	Dec 08, 2020	Atovk Houg	Atovk Houg
	SUBMARIN E-674	Delete the unused environment "my-submarine-env" in DB		RESOLVED	Nov 07, 2020	Nov 26, 2020	Charles Huang	Ryan Lo
	SUBMARIN E-673	ERROR : Cannot read property 'environment' of null		RESOLVED	Nov 07, 2020	Nov 19, 2020	Wen-Chien, Juan	Ryan Lo
	SUBMARIN E-672	Remove unused dependencies from pom.xml		RESOLVED	Nov 03, 2020	Nov 07, 2020	Kevin Su	Kevin Su
	SUBMARIN E-671	correct the typo (parseNotebookResponseObject)		RESOLVED	Nov 03, 2020	Nov 07, 2020	Ryan Lo	Ryan Lo
	SUBMARIN E-669	notebook name contain only lowercase alphanumeric characters or '-'		RESOLVED	Nov 02, 2020	Nov 26, 2020	Charles Huang	Ryan Lo
	SUBMARIN E-660	Remove submarine-workbench/workbench-web /node/node		RESOLVED	Oct 13, 2020	Oct 13, 2020	Kevin Su	Kevin Su
	SUBMARIN E-655	Add a deepfm example in Jupyter notebook		RESOLVED	Oct 05, 2020	Oct 09, 2020	Kevin Su	Kevin Su

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Release 0.4.0

Target Date: 30/06/2020

Code Freeze Date: 25/06/2020

Release Manager: Wanqiang Ji

Target Features

JIRA	Feature Description	Design Doc	Status
<div> <div>+</div> <div>SUBMARINE-499 - Refactor job API to experiment API</div> <div>RESOLVED</div> </div>	Submarine Experiment		Done
<div> <div></div> <div>SUBMARINE-462 - Submarine server should support helm charts installation</div> <div>RESOLVED</div> </div>	Submarine Helm Charts		Done
<div> <div>+</div> <div>SUBMARINE-376 - [Umbrella] Submarine python client API</div> <div>RESOLVED</div> </div>	PySubmarine		Done

<div> <div>+</div> <div>SUBMARINE-224 - [Umbrella] Submarine Server</div> <div>RESOLVED</div> </div>	Submarine Server	https://docs.google.com/document/d/1vCjt2z3DoagfeaVQV0nfyWqSYLYmoP53rDcPcz-YcSc/edit	Done
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T	Key	Summary	P	Status	Created	Updated	Assignee	Reporter
	SUBMARINE-621	Fix the typo in run_deepfm.py		RESOLVED	Sep 10, 2020	Sep 10, 2020	Lisa Chang	Lisa Chang
	SUBMARINE-549	Fix the typo in Submarine		RESOLVED	Jun 27, 2020	Jun 30, 2020	Chun-Hao Yang	Chun-Hao Yang
	SUBMARINE-547	Incorrect path in deepfm example doc		RESOLVED	Jun 25, 2020	Jun 25, 2020	Ryan Lo	Ryan Lo
	SUBMARINE-546	Update Submarine Website for 0.4.0 release		RESOLVED	Jun 25, 2020	Jun 26, 2020	Wanqiang Ji	Wangda Tan
	SUBMARINE-544	Email address incorrect in pysubmarine sdk		RESOLVED	Jun 24, 2020	Jun 29, 2020	Chun-Hao Yang	Chun-Hao Yang
	SUBMARINE-543	Issues of Submarine KIND version		RESOLVED	Jun 22, 2020	Jun 25, 2020	Wanqiang Ji	Wangda Tan
	SUBMARINE-542	[SDK] get_log error when experiment is not started		RESOLVED	Jun 22, 2020	Jun 25, 2020	Kevin Su	Kevin Su
	SUBMARINE-540	Link broken in pysubmarine		RESOLVED	Jun 21, 2020	Jun 24, 2020	Ryan Lo	Kevin Su
	SUBMARINE-539	Email address incorrect in Bootstrap.java		RESOLVED	Jun 21, 2020	Jun 24, 2020	Wen-Chien, Juan	Kevin Su
	SUBMARINE-535	Update experiment service in workbench		RESOLVED	Jun 20, 2020	Jun 23, 2020	Kevin Su	Kevin Su

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Release 0.3.0 (Released)

Release date: 02/01/2020

Release Manager: Zhankun Tang

Target Features

JIRA	Feature Description	Status
<div> <div>+</div> <div>SUBMARINE-164 - [Umbrella] Mini-submarine</div> <div>RESOLVED</div> </div>	Mini-Submarine	Done
<div> <div>+</div> <div>SUBMARINE-224 - [Umbrella] Submarine Server</div> <div>RESOLVED</div> </div>	Basic submarine TF job submission to K8s	Done
<div> <div>↑</div> <div>SUBMARINE-303 - Submarine client submit job to submarine server by grpc</div> <div>RESOLVED</div> </div>	Cluster mode job submission on YARN	Done

Pending JIRAs:

Key Summary T Created Updated Due Assignee Reporter P Status Resolution

No issues found

Legacy issues

Release 0.6.1

Some issues (like hadoop related issues) are no longer considered for maintenance, so we create a new release to temporarily categorize these issues.

Target Features

Key	Summary	T	Created	Updated	Due	Assignee	Reporter	P	Status	Resolution
SUBMA RINE-834	Ranger support for Spark Datasources	+	May 20, 2021	Jul 02, 2023		Unassigned	Adesh Kumar Rao	⚡	OPEN	Unresolved
SUBMA RINE-769	Submarine-security doesn't support the permission 'update' in the Ranger works	+	Mar 16, 2021	Jul 02, 2023		Unassigned	Ji Chen	⚡	OPEN	Unresolved
SUBMA RINE-753	Submarine-security doesn't support 'show tables' filtering	+	Feb 23, 2021	Jul 02, 2023		Ji Chen	Ji Chen	⚡	OPEN	Unresolved
SUBMA RINE-705	Unable to run tests in spark-security with spark-3.0 + hadoop-3.2 profiles	+	Jan 04, 2021	Jul 02, 2023		Unassigned	Igor Calabria	⚡	OPEN	Unresolved
SUBMA RINE-639	Spark-security ranger plugin - Use configured class for authentication	+	Sep 27, 2020	Jul 02, 2023		Unassigned	Tenneti Venkata Sri Harsha	⚡	OPEN	Unresolved
SUBMA RINE-408	[Umbrella] Submarine security	+	Mar 07, 2020	Jul 02, 2023		Unassigned	Liu Xun	⚡	OPEN	Unresolved
SUBMA RINE-320	Integrate apache ranger in submarine metastore module	+	Dec 14, 2019	Jul 02, 2023		qiwei huang	Liu Xun	⚡	OPEN	Unresolved
SUBMA RINE-34	Can't re-run a submarine job, if the previous job with the same service name has finished	+	Dec 24, 2018	Jul 22, 2023		Zac Zhou	Zac Zhou	⚡	OPEN	Unresolved

8 issues