Mojaloop Core & Releases

Product Council update, 17th September, PI-25

Mojaloop Congo - v16.0.0

1. Core - Mojaloop Release ([Helm Release 16.0.0](#))
   - Base use-cases: P2P, R2P, Bulk, PISP
   - Settlement: Deferred-net, Continuous Gross
   - Admin: (Participant Lifecycle API)

2. Bundled Mojaloop IaC Release ([Mojaloop IaC Release 5.3.8](#))
   - Gateway & Load Balancers
   - RBAC via Istio and Ory Stack
   - Mojaloop Security (mTLS, JWS, ILP)
   - Finance Portal
   - Reporting
   - Control Plane for CI/CD (GitLab)
   - Technical Operational Dashboards
   - Participant Onboarding Support (Connection Manager)

[Mojaloop Release announcement](#) on community central

Workstream Update

Workstream Name:	Mojaloop releases & core maintenance
Roadmap Pillar:	Quality Product (Foundation)
Lead:	Sam Kummary
Workstream Objectives:	1. Maintain the Mojaloop v16.0.0 Congo and IaC v5 (v5.x.x) and collaborate with the Product council and the community contributors on subsequence releases 2. Make a release Mojaloop v16.x and corresponding IaC release and potentially another release as required based on feature delivery by other workstreams (NextGen settlement, FX, Performance, Localization) 3. Bug fixes, minor upgrades along with security patches will be part of the release.
Progress Against Objectives:	1. Release candidate for v16.1.0 Zambezi in progress, being iterated - includes security patches, performance improvements and deliverables from Merchant payments workstream 2. Validation of automation steps in the release process done (automation done last PI).
Anticipated Progress by PI End:	1. Mojaloop release v16.1.0 made with deliverables from other feature workstreams (performance, merchant, platform quality & security) 2. Mojaloop release v17.0.0 (version to be confirmed) with FX changes made (with deliverables from FX, inter-scheme / proxy workstreams and performance workstream) 3. Maintain sandboxes for development and QA
Roadblocks:	1. Resourcing issues, no funded team available.
Support Needed:	1. No dedicated team for the PI, thankful for the contributions so far. 2. Further contributions welcome.

Ongoing activities PI-25

1. Support for testing of Mojaloop features to be released, ongoing on Mojaloop dev/qa environments

2. Testing of current release candidate - v16.1.0 RC

3. Testing sandbox capabilities, troubleshooting issues

4. Supporting deployment scenarios

5. Patch releases of Mojaloop as required

6. Testing of Finance Portal deployment on Mojaloop dev/qa environments

7. Facilitate mojaloop deployment enhancements, documentation updates and related testing

Status for Mid-PI review PI-25

Current ML v16.1.0 RC

1. Deliverables from Merchant payment workstream (includes merchant registration portal)
2. Security patches, upgrades to dependencies, services
3. Performance enhancements by community, performance workstream
4. Sample PR link for reference: https://github.com/mojaloop/helm/pull/640 (to be updated)

Roadmap

1. Mojaloop RC for the next Mojaloop release (likely v17.0.0)
   i. This RC to include changes to support FX feature
   ii. Deliverables from the inter-scheme / proxy workstream
   iii. To include performance enhancements done by perf-workstream
   iv. Platform quality & security related updates
2. General maintenance, bug fixes, release testing
3. Services from MOSIP integration workstream
4. The next Mojaloop release (version TBD, likely v17.0.0) and a supporting IaC version
5. Community support
   a. Support community contributions and absorption into Mojaloop as required
   b. Documentation updates, release process documentation
   c. Supporting deployment activities and troubleshooting

Release Roadmap: MLF Product, Community and work-stream

Congo

v16.0.0 PI-23 → **v16.1.0 (Zambezi PI-24)** → **Future (v17.0.0 / vX.Y.Z)**

v16.0.0 / PI-23
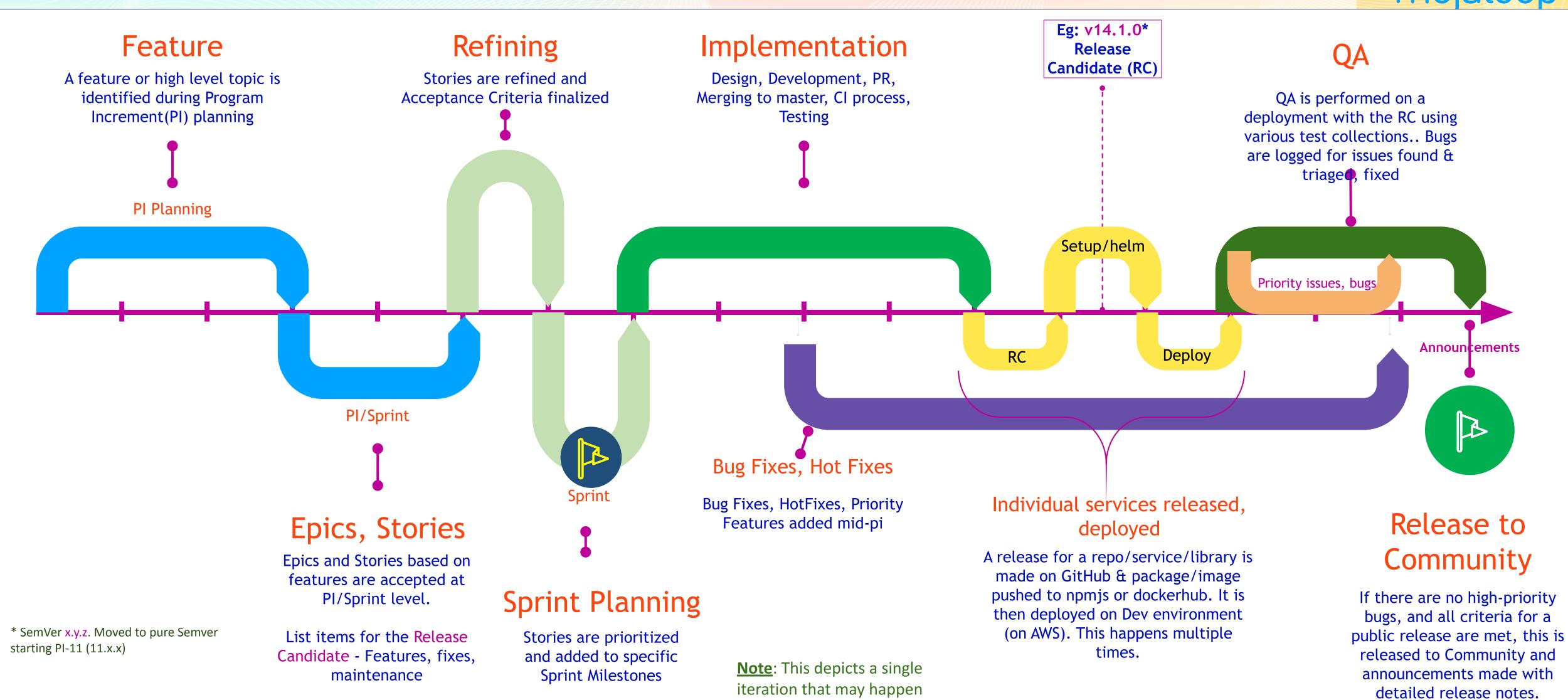
1. Performance enhancements done by perf-workstream included
2. IaC changes - new and refactored version
3. *Automated CI steps on Mojaloop releases (not included in the release but used in the process)*
4. General maintenance
5. Node upgrade for supporting services

v16.1.0 (Zambezi PI-24)

1. Merchant payments features
2. Include enhancements from the Performance workstream
3. General maintenance, security patches and dependency upgrades

Future (v17.0.0 / vX.Y.Z)

1. Include enhancements from the FX workstream
2. Deliverables from the inter-scheme / proxy workstream
3. Settlements improvements
4. PISP Bulk API support (#109)
5. Enhance tracing components to use latest open-tracing standards
6. Automated CI testing on Helm PRs & Releases - completed
7. Migrate Chart (i.e. BoF) to Helm repo, and clearly rename Finance Portal components part of BoF
8. Patch notification support for failures

Mojaloop Release Process

Feature

A feature or high level topic is identified during Program Increment(PI) planning

PI Planning

Refining

Stories are refined and Acceptance Criteria finalized

Implementation

Design, Development, PR, Merging to master, CI process, Testing

Eg: v14.1.0*
Release Candidate (RC)

Setup/helm

QA

QA is performed on a deployment with the RC using various test collections.. Bugs are logged for issues found & triaged, fixed

Priority issues, bugs

RC

Deploy

PI/Sprint

Sprint

Announcements

Epics, Stories

Epics and Stories based on features are accepted at PI/Sprint level.

List items for the Release Candidate - Features, fixes, maintenance

Sprint Planning

Stories are prioritized and added to specific Sprint Milestones

Bug Fixes, Hot Fixes

Bug Fixes, HotFixes, Priority Features added mid-pi

Note: This depicts a single iteration that may happen multiple times

Individual services released, deployed

A release for a repo/service/library is made on GitHub & package/image pushed to npmjs or dockerhub. It is then deployed on Dev environment (on AWS). This happens multiple times.

Release to Community

If there are no high-priority bugs, and all criteria for a public release are met, this is released to Community and announcements made with detailed release notes.

* SemVer x.y.z. Moved to pure Semver starting PI-11 (11.x.x)