



Mojaloop Releases

PI-22 Community event

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Agenda



1. Mojaloop *Platform*
2. Mojaloop *release* process
3. Bug triage
4. Release pipeline

Mojaloop Platform



1. Mojaloop Core

- Transactional hub components and Settlement i.e. API layer, Central ledger (including bulk), ALS, Quoting, Trx req

2. 3PPI, ml-connectors

- Best practice Mojaloop connectors. I.e. Third-party services, sdk adapter/ml-connectors

3. API Gateway

- Adds in the components and enforces the Mojaloop Security design
- IP filtering / white-listing, Ingress/Egress, Firewalls, Security support (**JWS**, **mTLS**) [IaC provides this via WSO2]

4. Supporting services

- Interop: Connect with settlement banks, Onboarding FSPs, integrations (connection management)
- Mojaloop Toolkit (TTK), PM4ML instances, Simulators, ALS support, CEP, Events processing
- Oracles - Customer or Merchant Registries
- Mojaloop OSS, community tools

5. Infrastructure

- Kubernetes, Infrastructure as Code, Automated deployments (mini-loop, IaC, Rancher)
- Deployment artifacts - Helm Charts, Docker Containers

6. Finance portal (RBAC), Reporting

- Hub operator UI & API experience layer that is Implemented by business operations framework.

7. Monitoring support (Operational support)

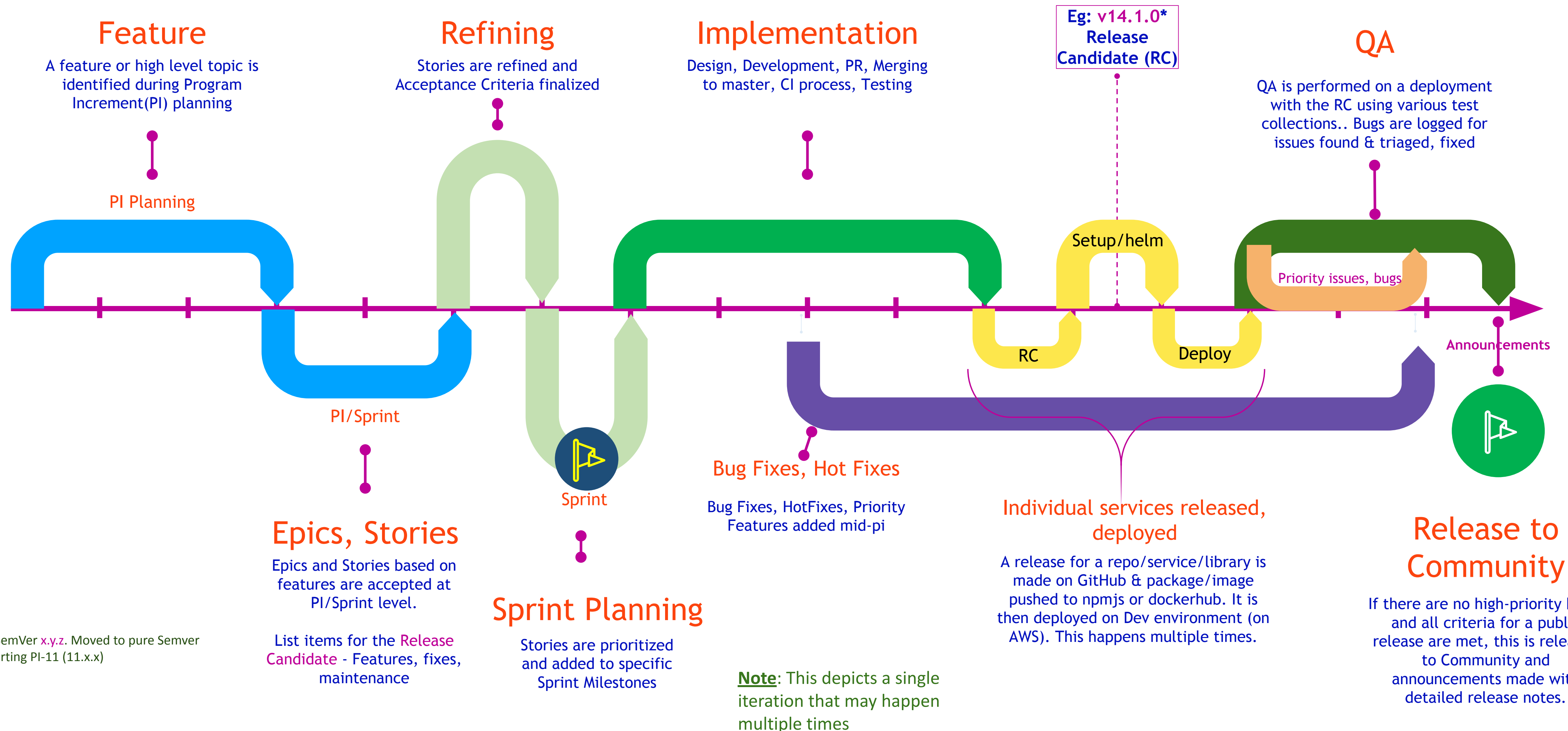
- Operational support and tracing (e.g. EFK, and/or Prometheus, Grafana, Loki, etc) [IaC provides this via Grafana, Prometheus & Loki]

Mojaloop Release process



1. The Mojaloop Release process follows a
 - community led approach,
 - specifically technical work-stream led,
 - in collaboration and consultation with the Product Council and
 - the Design Authority (DA)
2. Criteria, guidelines:
 - The DA frames policies, guidelines and technical criteria for the releases
 - while Product defines the feature and product requirements
3. Example releases notes, criteria for [v15.0.0](#), [v15.1.0](#)

Mojaloop Release Process - overview

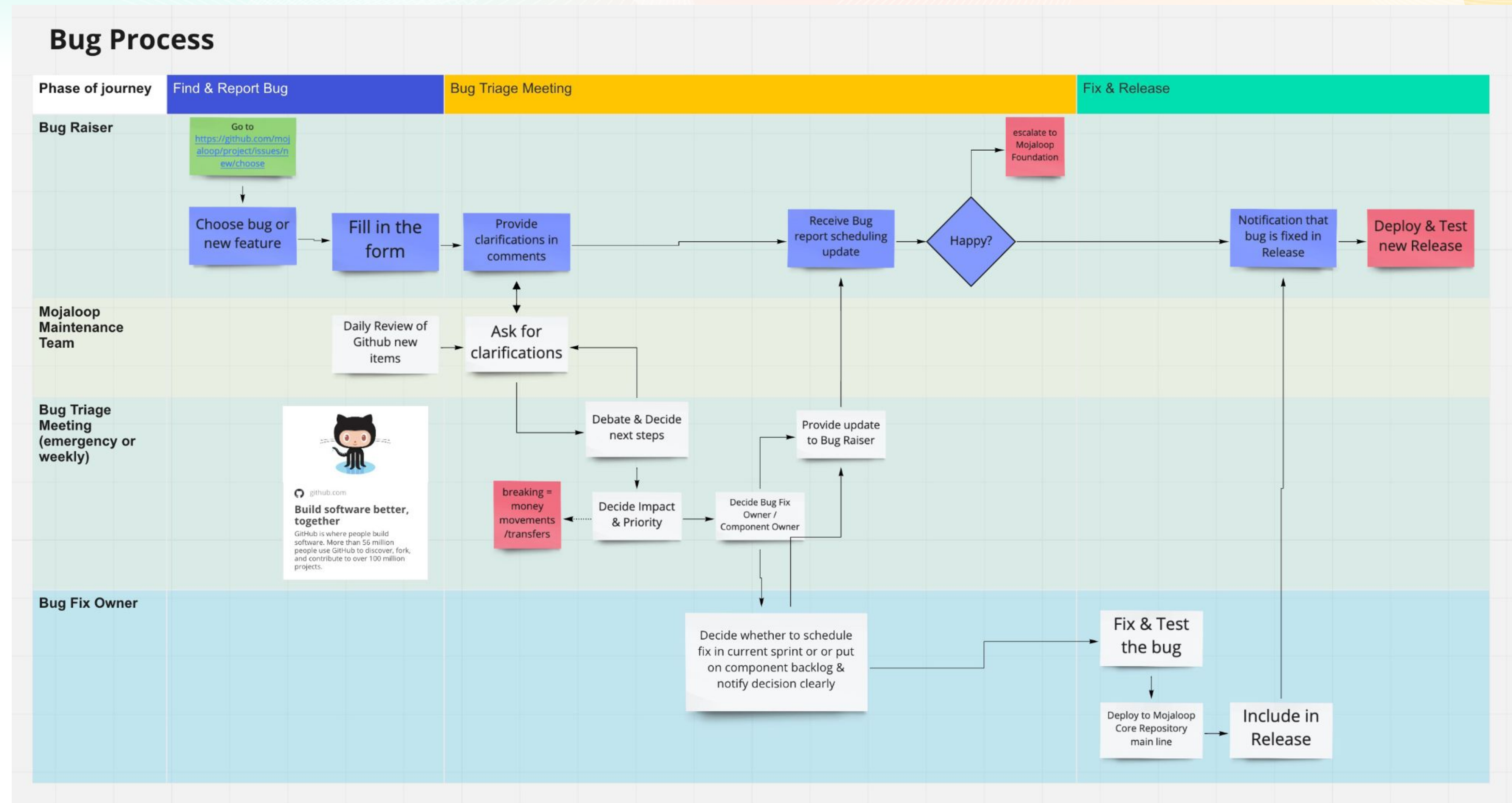


Mojaloop Release process - updates



1. Propose release schedule, timelines
 - Freezing of feature, bug-fixes additions by a certain timeline
 - Document criteria for releases (based on stories, epics)
2. Include performance expectations or document capabilities as part of major releases
3. Streamline release numbers between various components such as Finance Portal to correlate with ML releases
4. Document tests to be executed
5. Document “support” mechanisms

Bugs - triage & lifecycle



ML Releases pipeline example - current



v14.1.0
(PI-19)

1. Support for k8s 1.24+
2. Bulk Enhancements
3. *Testing k8s v1.24

v14.1.1
(PI-20)

1. Mojaloop Toolkit enhancements: Reports, Rules, UI enhancements

v15.0.0
(PI-20/PI-21)

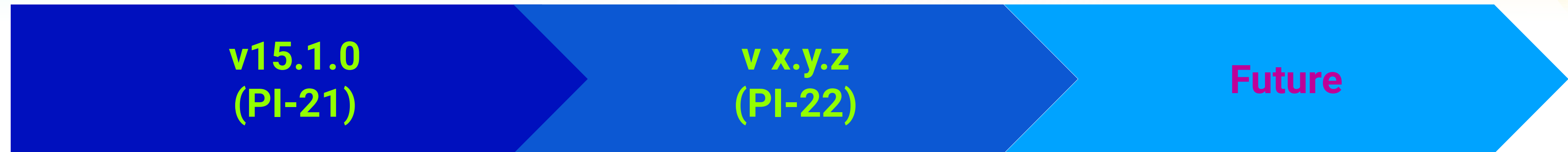
1. Separations of external backend dependencies from Mojaloop Helm charts
2. Utilise externalised secrets for password management (#3082)
3. Bulk SDK functionality support out-of-the box
4. IaC v4.0.x with support for Mojaloop v15.0.0 & passwords with Special Characters managed by HashiCorp-Vault
5. Finance Portal v3 (BoF v3.0.0) fixes for passwords with Special Characters

v15.1.0
(PI-21)

1. Follow-up bug-fixes
2. Test against upgraded QA/Dev with K8s v1.26/1.27
3. Refactored QA/Dev env ease of maintenance with EKS
4. Enhanced SDK support for Request-to-Pay (R2P)
5. IaC v4.1.x with support for Mojaloop v15.1.0
6. Upgrade ML FinTech Sandbox to latest v15 release

Key
* IN-PROGRESS

ML Releases pipeline example - roadmap



1. Follow-up **bug-fixes**
2. Test against **upgraded QA/Dev** with K8s v1.26/1.27
3. Refactored QA/Dev env **ease of maintenance** with **EKS**
4. Enhanced **SDK support** for **Request-to-Pay (R2P)**
5. **laC v4.1.x with support for Mojaloop v15.1.0**

1. **Patch** notification support for failures
2. **General maintenance**, Node upgrade (**LTS** available at the time)
3. Performance profiling and document/address bottlenecks (perf workstream)
- 4.

1. **Settlements** improvements
2. PISP **Bulk** API support ([#109](#))
3. Enhance **tracing** components to use latest **open-tracing** standards
4. **vNext** support
5. **FX** support in Mojaloop
6. Automated **CI** testing on Helm PRs & Releases
7. **Upgrade QA/Dev** to latest **K8s** version for testing
8. Align **QA/Dev EKS** with **laC**
9. **Migrate Chart** (i.e. **BoF**) to **Helm** repo, and clearly **rename Finance Portal components** part of BoF.



Thank you!

Reach out for questions on Mojaloop Slack #[help-mojaloop](#) or #[ml-oss-dev](#) channels