



# Iroha 2 pre-RC 12 (internal)

Aleksandr Petrosyan

---

Rust Developer, Iroha 2 Tech Lead  
petrosyan@soramitsu.co.jp



# Completed

---

1. RC12 as **internal release only**
2. In-house **Fixed**
3. Better UX numerical operations and values
4. Better UX for launching Iroha
5. Iroha now self-reports diagnostics on startup
6. Query for total amount of any given asset (useful for BC: Explorer)
7. Iroha blockstore merge tool
8. Soft forks
9. CI/CD changes

# Completed

---

10. Load script improvements:
11. Better Mutexes
12. Multisignature tx improvements
13. Generic **Filter** and **Judge** combinators
14. Trigger improvements:
  - a. Self-reporting of health
  - b. execution start time as parameter
15. Moving blockchain configuration parameters into ISI
16. Lots of refactoring

# In Progress

---

1. Run-time permission validators implementation (**started**)
  - a. RFC (WIP)
  - b. Designing common plugin system (WIP)
2. **WASM** dynamic linkage (**continuing**)
3. Unified configuration interface:
  - a. **moving objects from config to ISI**
  - b. Consolidating WSV (**on hold**)
  - c. **Run-time upgrades**

# In Progress

---

4. Updating tutorial with new features:
  - a. **Sorting**
  - b. **Pagination**
  - c. Filtering
  - d. Roles
  - e. **Queries**
5. UI/UX (**on hold**)
  - a. Log and ignore pattern
  - b. Logging of all error conditions
  - c. Actionable feedback on errors
  - d. **TriggerExecuted event**



# In Progress

---

6. Profiling
  - a. Feedback from users
  - b. Testing on the longevity stand
  - c. Pushing unit test coverage back to reasonable amounts
  - d. Performance regression analysis
  - e. Distributed testing as standard
7. Key-centric account re-structuring

## Planned (long term)

---

1. Hijiri (local reputation system)
2. Offline transactions (needs account restructure)
3. Parachain compatibility (needs account restructure)
4. Transaction fees
5. Bootstrap peers





**Thank you for your time!**

Aleksandr Petrosyan

---

Rust Developer, Iroha 2 Tech Lead  
petrosyan@soramitsu.co.jp