FreeIPA Pull Request CI

Contributor's Guide

Workflow

1. Open Pull Request (PR) against freeipa/freeipa
   - *master*, *ipa-4-5* branches currently supported
2. PR CI generates tasks to be executed (build, tests)
   - Automatically if you're on the whitelist
   - When a reviewer marks your PR with *re-run* label
3. Runners execute the tasks and report results to GitHub

- Make sure to rebase your PR against the latest upstream code

Examining PR CI Results

- Messages and statuses of checks in GitHub
  - Error states are reported directly to GitHub
  - Build/Test failures usually require log examination
- To check the logs, click *Details*

Investigating PR CI test fail

- *runner.log.gz* provides high-level info
- *report.html* is py-test output formatted in HTML
- Logs from machines can be found in the test's directory

Investigating PR CI build fail

- Build is done in mock to separate build and runtime dependencies
  - Travis CI performs the build properly
- *runner.log.gz*
- *build.log.gz*
- *root.log.gz*
- Other build logs

Investigating PR CI infrastructure error

- Error message in GitHub status
- *runner.log.gz*
- Make sure your PR is rebased against the latest upstream code
- Use *re-run* label to trigger another test run

PR CI success

- All tests have to pass before code is merged
- Please report issues with infrastructure
  - https://github.com/freeipa/freeipa-pr-ci/issues