The v2 specs must include a basic OTA upgrade system which allows new code to be shipped over the network that node operators can easily upgrade to (optionally automatically). I think that we can implement this as a RM application with a special resource which is (optionally) read by the node after each block.

Basic requirements:

- New releases (code directly, or Git commit & remote information) distributed over the P2P network
- Optional embedded external identity which is allowed to authorize upgrades.
- Automatic recompilation & restart after an upgrade is activated

Questions for engineering (cc @mariari @Moonchild @ray):

- Is Elixir sandboxed? Do we need to further sandbox the node in order to enable safe automatic recompilation and restart?
- What exactly is required to hot reload code? Should we try to do that, or just stop and restart the node?
- Broadly, what do you recommend in terms of the operational procedure for upgrading after new code is downloaded and compiled?

Discuss!