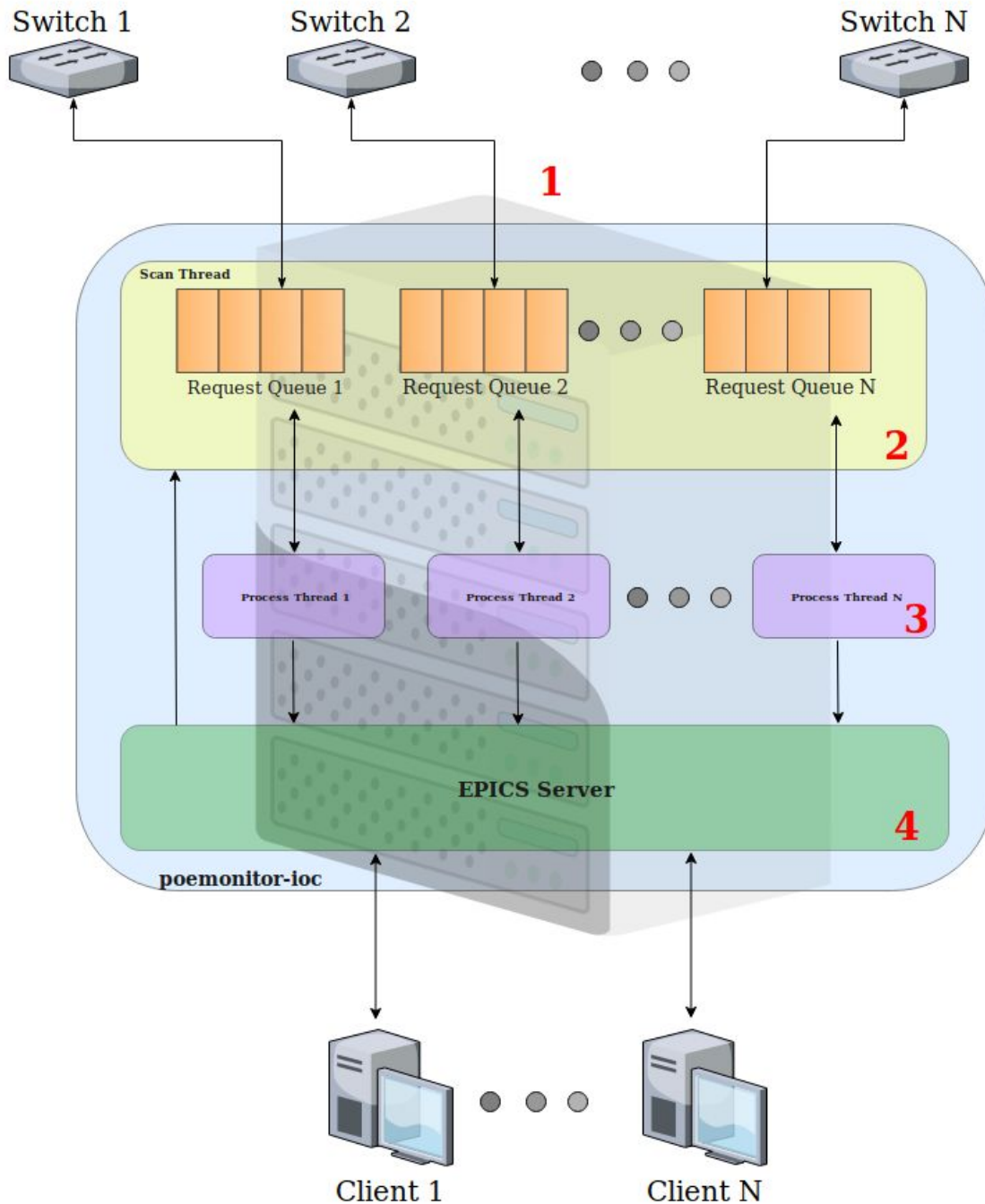


poemonitor-ioc Processes Architecture



1. EPICS Driver Module

- Creates one request queue for each switch configured to be monitored on poemonitor.config file
- Starts scan thread and one process thread for each request queue created before

2. SCAN THREAD

- Insert request for selector PVs value initialization (only on IOC boot)
- Periodically inserts scan requests on each request queue

3. PROCESS THREAD

- Get requests from the respective request queue and process it
- Implements connection failure resilience methods
- Depending on IOC version, it is responsible for login authentication on REST API

4. EPICS Server

- Creates the interface for processing clients requests and, using EPICS driver module functions, inserts write requests on request queues