

ELIOT Landing Application

ELIOT intends to provide a platform for a fully integrated edge network infrastructure and running edge computing applications, on lightweight Edge Nodes.

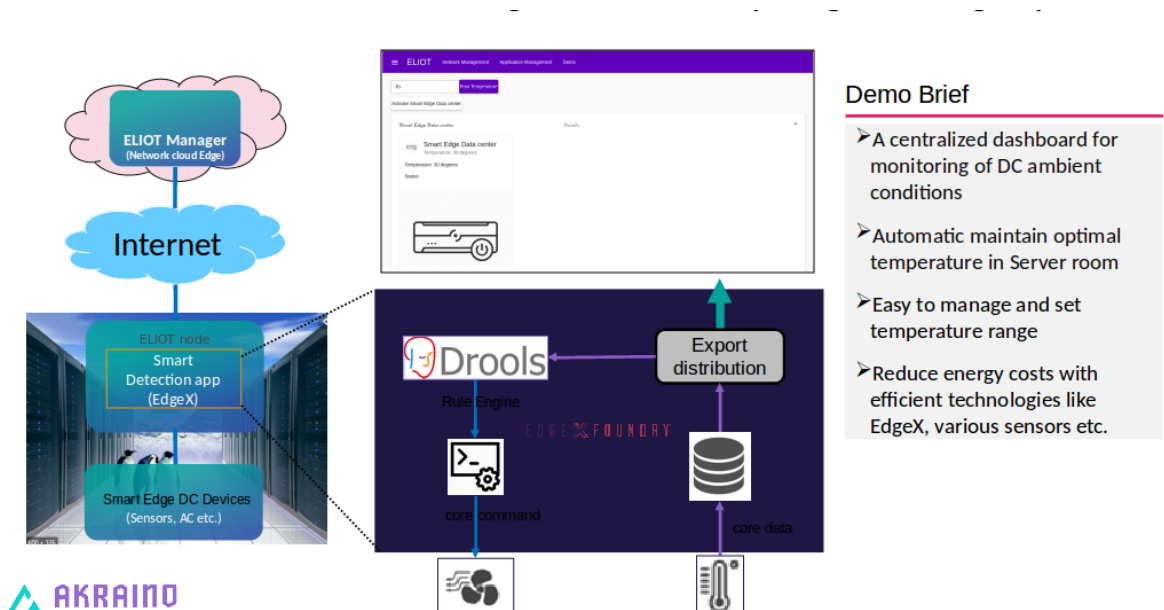
Landing application which was tested on ELIOT platform is **Smart Edge Data Center**.

In Smart Edge Data Center using EdgeX features Drools(rule engine) ELIOT provides an automated temperature control with reduced energy costs on the real time data centers.

From centralized dashboard, temperature in the server room (Edge node) is monitored. Using various sensors, (sensor)data collected from the data centers through edge devices sent to EdgeX.

EdgeX Drools process those data and provides an optimum temperature range for the data center. Based on the condition, AC present inside data centers automated to turn on / off.

This whole process can be monitored from centralized UI for the end user. ELIOT OCD host takes the overall control to deploy , automate and test the deployment to ELIOT master and Edge nodes



To know more about the deployment of eliot, please refer ELIOT repo <https://gerrit.akraino.org/r/eliot> and latest release docs.

ELIOT currently provides the Lightweight IOT-Gateway Solution, Autonomous Edge Sites, Unified Portal for platform management and for App developers, Heterogeneous deployment on Multi-Arch, IOT protocol support like OPC-UA, Industrial IOT enabling by TSN etc., Software Rolling update to edge sites and IOT devices, Middle ware for IOT-Framework like EdgeX