Prodigy Neuro

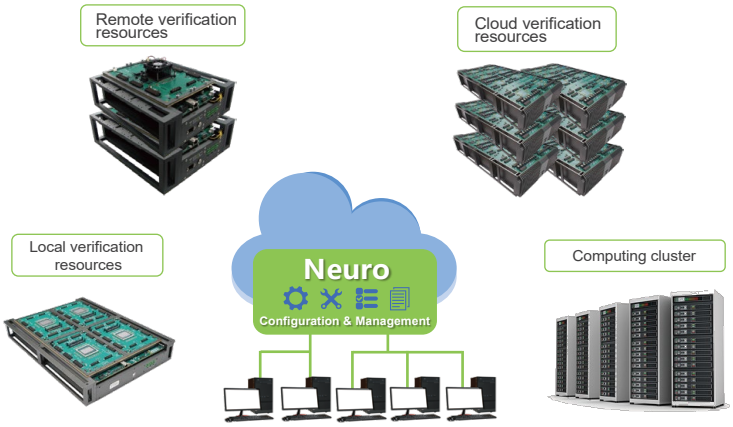
Make your prototyping centralized management easier

The Prodigy Neuro is a server-client software that supports remote management of multiple prototyping in geographically dispersed locations among globally distributed administrators, project managers and users. The Neuro Software provides design teams with centralized management capabilities for prototyping systems and computing resources, including check-in/check-out prototyping from the cloud, manage the virtual machine or docker and run the hardware, software or whole system validation, all through a web browser.

The Prodigy Neuro also provides a set of monitoring and statistical features, such as voltage/current/temperature monitoring, utilization statistics, etc., and all the operations to the prototyping are recorded, traced and noticed.

Highlights

- Centrally manage and maintain all the prototyping systems, minimize the system downtime to max the ROI
- Remote control and monitor the prototyping systems within the company network
- Allocate systems based on adminstrative usage reports and project priorities
- Improved resource utilization monitoring and operational traceability



Features

Web-based User Interface

- Obtain convenient access via an easy-to-use browser interface from almost any computer on the company network

Project Management

- Keep track of multiple instances of the same design in a project for parallel development and testing
- Easily manage the design with multiple prototyping hardware

Resource Management

- Add, delete and view prototyping hardware resources on the company network
- Get automatic hardware status detection: lock and unlock (in-use/available)
- Assign prototyping hardware resources to groups, users and projects
- Check-in/check-out hardware resources to share efficiently among multiple projects or users
- Easy allocate the computing resources, including virtual machine and dockers

Remote Hardware Control

- Directly download FPGA fast
- Write/Read/Download FPGA from on-board SD Card
- Virtual SWs to set design input conditions quickly
- Quickly monitor design status with Virtual LEDs
- Monitor the voltage, current and temperature
- Run hardware self-tests to diagnose clock, I/O and interconnection resources individually or in batch mode

Features

User Management

- Select from three permission levels: administrator, manager and user
- Add/delete users by the administrator
- Assign users into groups and assign managers for each group

Message Center & Usage Report

- Report over-current, over-voltage and over-temperature conditions
- Record the usage time for each prototyping hardware by users, groups and projects
- Auto summarize the usage reports, get instant feedback messages and reports via email

Specifications

Hardware Support

- Prodigy LX2 & LX1
- VU19P Prodigy Logic Systems
- VU440 Prodigy Logic Systems
- S10 10M Prodigy Logic Systems

Brower Support

- Chrome
- Microsoft Edge
- Firefox
- Safari

OS Support

- RedHat 7.7 & 7.8
- CentOS 7.3 & 7.6
- Ubuntu 18.04