Worlds Largest Professional Networking Org
Managing a complex NextGen Software Defined Everything (SDx) Infrastructure

MICROLAND®
Making digital happen

774+ Million Registered Members

300,000+ Servers, 16,000 switches, 60 PB Data, 4 Data Centers

100+ software defined SAN & NAS Storage boxes,17,000+ SDN Devices

Modernizing Infrastructure

- State of the art Software Defined Everything leading to a complete **Software-Defined Data Center – SDDC** leading with Cisco UCS platform to **Supermicro, Dell & Inspur**

- Implemented **SD-NAS (GPFS)** and **SD-SAN (Excelero) storage** by decommissioning legacy EMC storage boxes for scalability & cost-saving

- Migration from Cisco SDN to **OpenStack SDN** for SDDC network

- Transformed existing infrastructure to **immutable infrastructure** for improved consistency, reliability, and predictive deployment

Automation, Analytics, and Orchestration

- **Automation** in incident resolution & firewall rules management reducing critical/high-priority incidents

- Leveraging **analytics** to identify device outage patterns, **proactive resolution**, and **24/7** network monitoring

- Enabled server build through **automated image management using Kickstart** for faster provisioning & establish a robust and stable infrastructure with **configuration management**

- **Technology-led, people-assisted** management of large-scale server infrastructure with a 5000:1 ratio

Continuous Service Improvement, and Enhanced Run Services

- Delivering VM with pre-installed **Puppet software** for running the customized business-critical application

- Deploying and patching software to configure management tasks using **CFEngine**

- Improved the performance of infra by **real-time monitoring** and **eliminating** failures

- Upgraded the storage and migrated the data **with minimal business impact**

- Extended support for **storage partition** using Solaris command line and python scripts

100% Uptime ensuring the smooth running of the business

50% Reduction in high/critical incidents through Automation and self-healing

91% Reimage automation success rate

OUTCOMES