



# ZIGRON

Connected  
Application  
Experts

CASE STUDY

## Unified EMS-NMS Controller Solution

### ABOUT ZIGRON

Zigron is a US based company with offices in Northern VA and Pittsburg PA. It also has facility along with a world class infrastructure in Islamabad Pakistan. Zigron specializes in Cloud and SaaS based solutions, Big Data Analytics, New Platform/Product Development, Rich User Experience, Application Modernization/Unification and AdvancedData Visualization in Telecom/M2M/Networks.

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### PROBLEM STATEMENT

The main requirements from the client was to have **Unified Centralized management controller** for managing heterogeneous devices along with central management console as a UI for their EMS/NMS product clients along with humanly readable template support for configuration etc.



### OUR SOLUTION

Zigron developed the management application with multiple protocol support like **SNMP, NETCONF, OpenFlow etc.** for different types of devices. Developed a Robust architecture with a symmetric design for **Embedded EMS, EMS and NMS systems**. The main task was Design and implementation of Self-referential canonical format Parser with High Availability support in a robust scalable environment. The main benefit was to have supporting **SDN and non SDN hybrid devices**, creating a new market for SDN deployments.