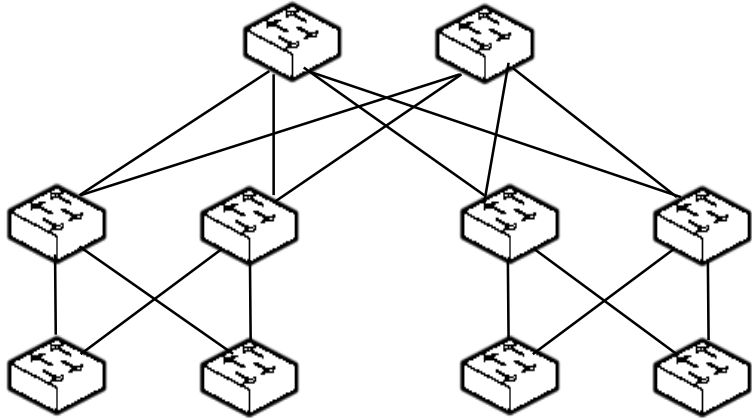


High-Fidelity Validation of P4 Networks with SONiC-P4 Software Switch and CrystalNet

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Demo: 500+ switches

1M+ BGP routes

Runs on Azure cloud with low cost

- Data plane: **P4** (BMv2) for packet processing
- Control plane: **SONiC** -- same switch OS code running in Microsoft Azure data centers
- Management plane: **CrystalNet** connects large-scale topology + mgmt. interfaces; can import real configs and route announcements

Full-stack programmability: test your innovation at each layer!