



ENTRA[®]

ACCESS SIMULATORS



Identify bottlenecks, prevent failures, and make informed capacity planning decisions to ensure seamless operations and optimize network performance

Entra[®] Access Simulators mimic Distributed Access Architecture (DAA) devices and customer premises equipment (CPE) at scale, enabling Broadband Service Providers (BSPs) to validate the capacity and performance of virtual and physical CCAP cores, PON OLTs, and other network elements integrated into provisioning systems. BSPs can assess network service functionality by simulating thousands of devices simultaneously under real-world conditions.

Tested with Entra products and other (v)CMTS platforms from leading providers, the Access Simulators solution helps identify network bottlenecks, ensuring resilience and optimal performance. Designed for cost-effective, standards-compliant simulation, it supports diverse access technologies, empowering operators to optimize capacity planning and test complex scenarios in Converged Multi-Access Network environments.



RPD Simulation

Physical RPD simulation at scale enables capacity and performance testing of (v)CMTS, PTP, ToD, and DHCP services, identifying bottlenecks that impact customer service delivery in production environments.



Cable Modem Simulation

Cable modem functionality allows for control and data plane testing of (v)CMTS and provisioning systems, identifying bottlenecks that affect customer service in production environments.



Simplified Orchestration

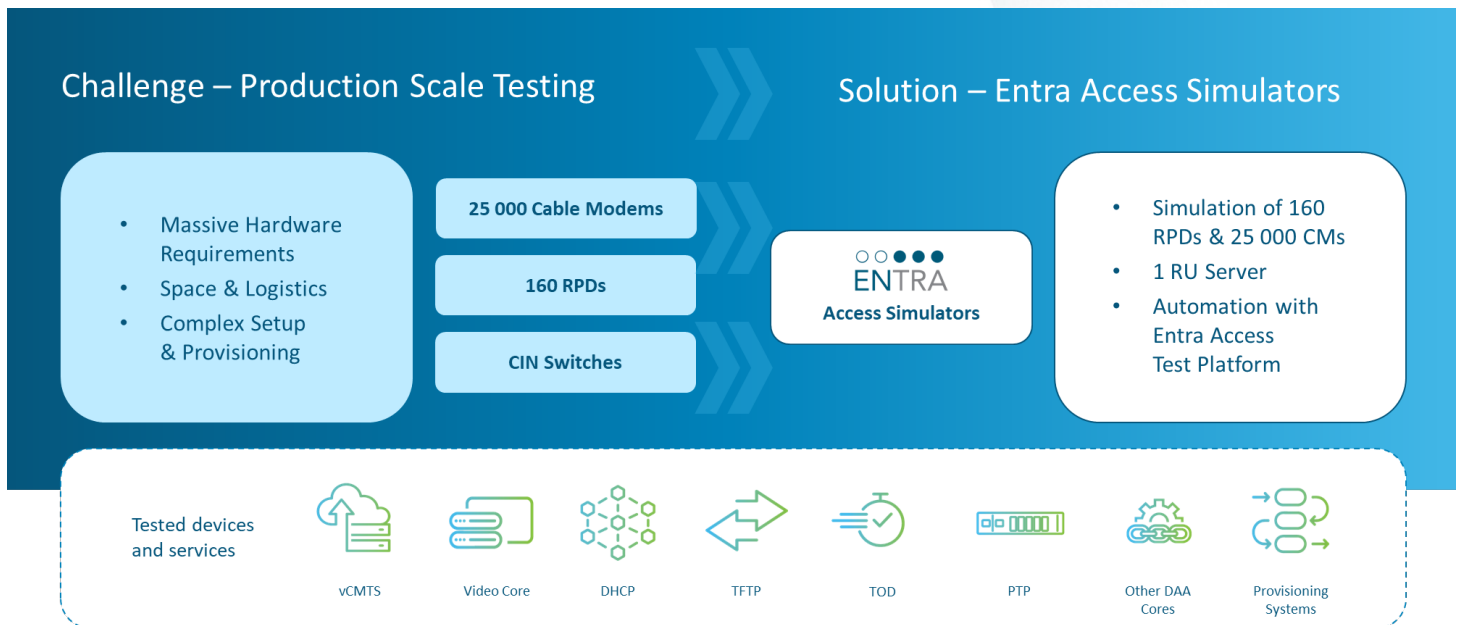
Unified management of RPD and CM simulators on a production scale simplifies testing procedures and improves operational efficiency.



Advanced Telemetry

Metrics and workflow trace collection from simulated devices accelerate root cause analysis through modern visualization tools.

Enhancing Large-Scale Testing Efficiency with Advanced Simulators



Benefits

- Part of Vecima’s Entra Cloud™ platform of open, interoperable, cloud-native applications
- Cost-effective testing eliminates physical device procurement, power and operating costs
- Quickly replicate and root cause issues found in production networks
- Production-scale testing of (v)CMTS, provisioning systems, and cable network services
- Seamless compatibility with integrated and virtual CMTS platforms from leading providers
- Standards-compliant simulations enable real-time communication with (v)CMTSs
- Advanced telemetry for detailed analysis on modern observability platforms