Redfone VGate

Virtualized T1/E1 to SIP Gateway Appliance

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VGATE Description

The **Redfone VGate** is a ©VMWare compatible turn-key software appliance.

When combined with foneBRIDGE2 hardware, it quickly and easily provides a complete T1/E1 to SIP gateway with advanced SIP features including SIP load balancing and auto fail-over to provide always on capabilities.

VGATE Benefits

With VGate, customers can now easily deploy their 3CX, Asterisk, Trixbox, Elastix, SwitchVox, FreeSWITCH, etc. voice systems in a virtualized environment and still maintain superior call quality and scalability.

VGATE Benefits

Leveraging the benefits of virtualization, Redfone customers can now;

- Consolidate voice and other platforms in a single server solution
- Reduce hardware and operational costs
- Accelerate provisioning
- Centralize management
- Increase level of system availability and survivability
- Simple install, cost effective

VGATE Features

- Plug and Play VMWare software appliance
- Small footprint. 7MB downloadable image.
- Lite resource utilization on VMWare server. Single CPU at 1000Mhz, 128Mb RAM is capable of 120 concurrent call streams at high CPS ratio
- Simple Web based admin GUI
- Standards-based and conforms to the IETF, ITU-T, ANSI and ECMA standards
- Robust and comprehensive ISDN/PRI signaling capabilities
- Worldwide PSTN connectivity. QSIG connectivity for PBX to PBX interconnect
- Standards based SIP protocol
- SIP Load balancing and Failover
- Embedded fast and secure Linux OS

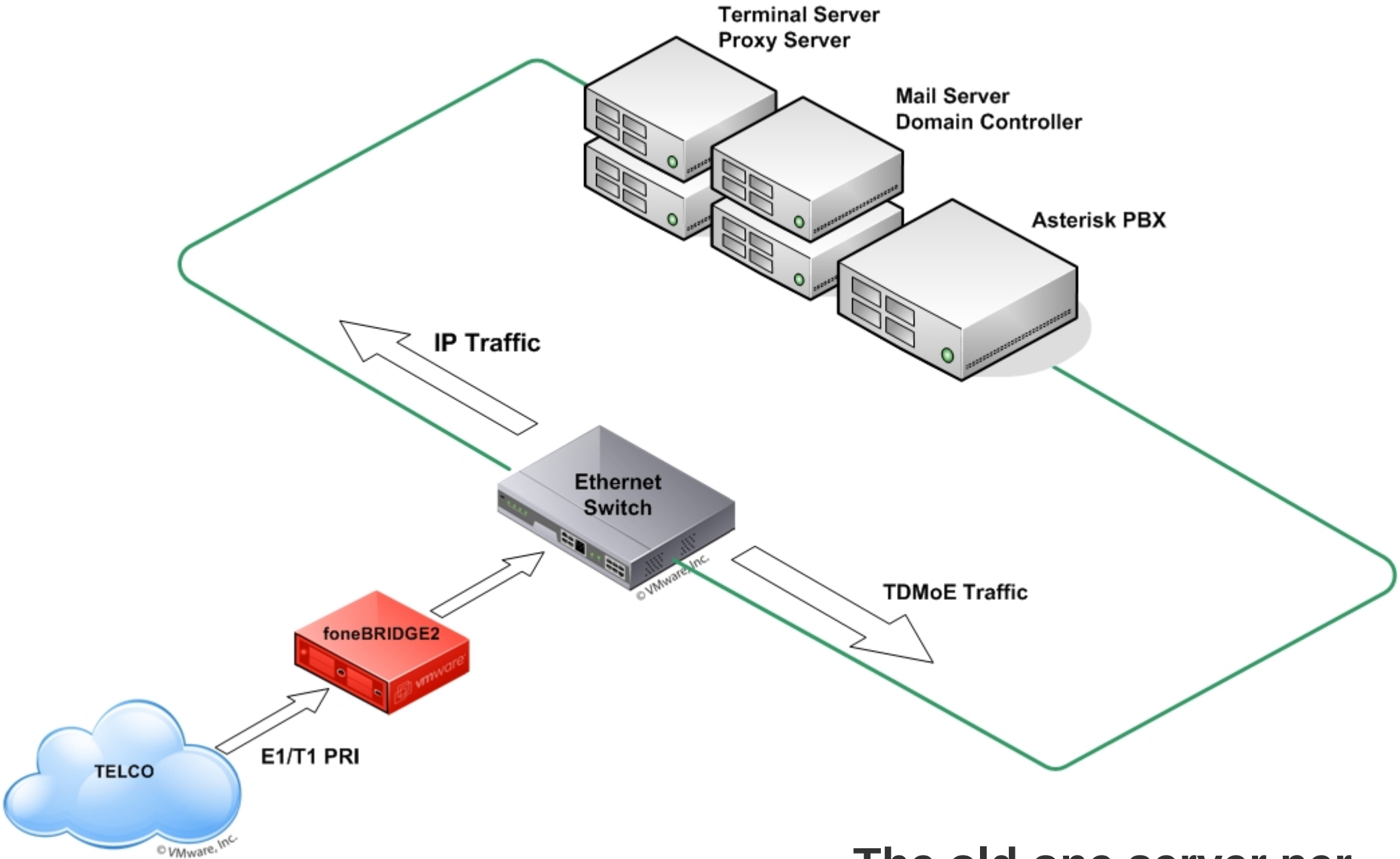
VGATE Applications

- Standalone T1/E1 to SIP Gateway trunking with Remote SIP PBX
- T1/E1 to SIP Gateway trunking to local SIP PBX internal to VMWare or on separate hardware
- T1/E1 to SIP Load Balancing to multiple SIP PBXs or SIP applications

VGATE Compatibility

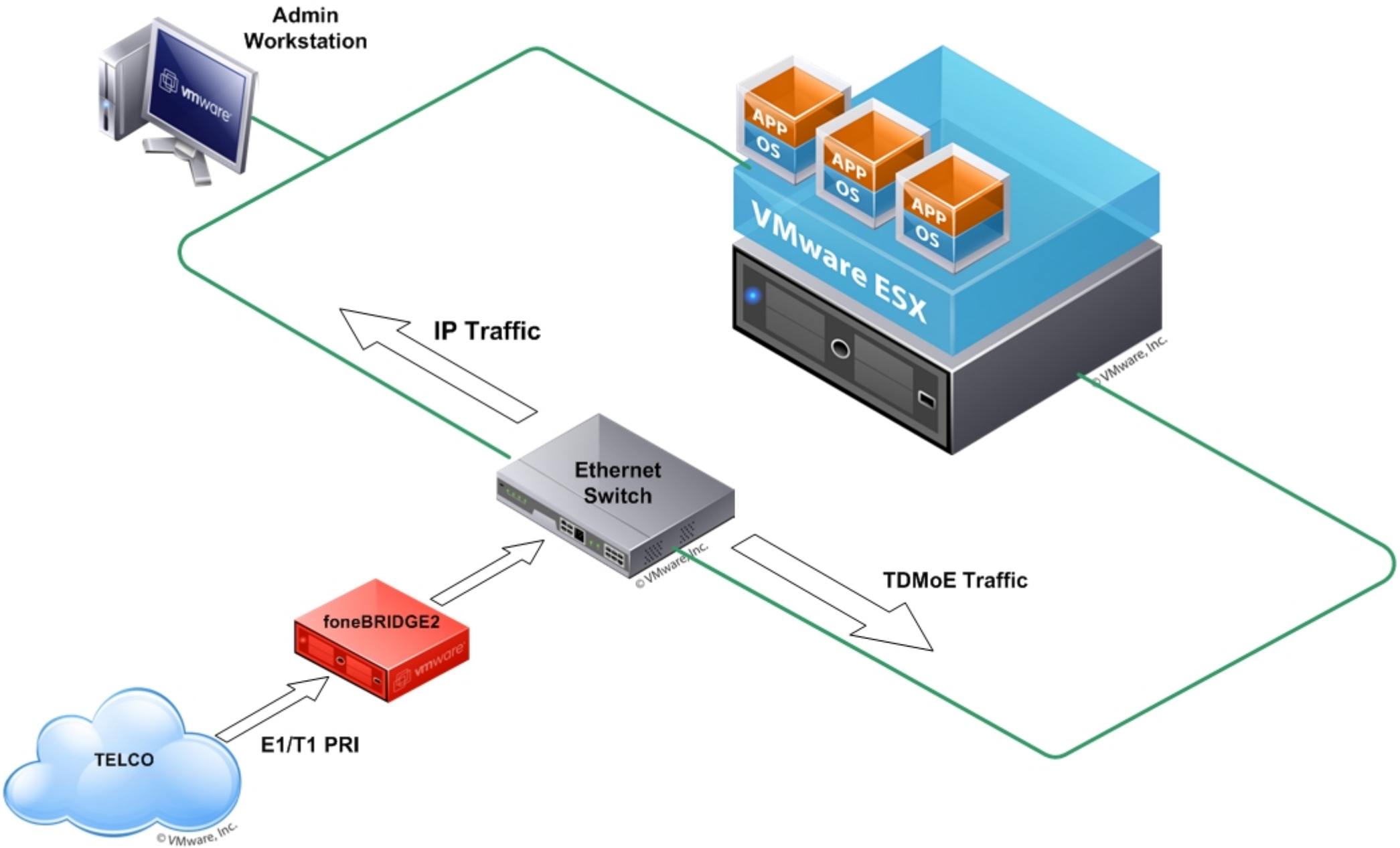
- Asterisk PBX
- FreeSWITCH
- 3CX PBX
- Asterisk derivatives; Elastix, Trixbox, etc.
- Any Standards based SIP PBX or application

Traditional Install



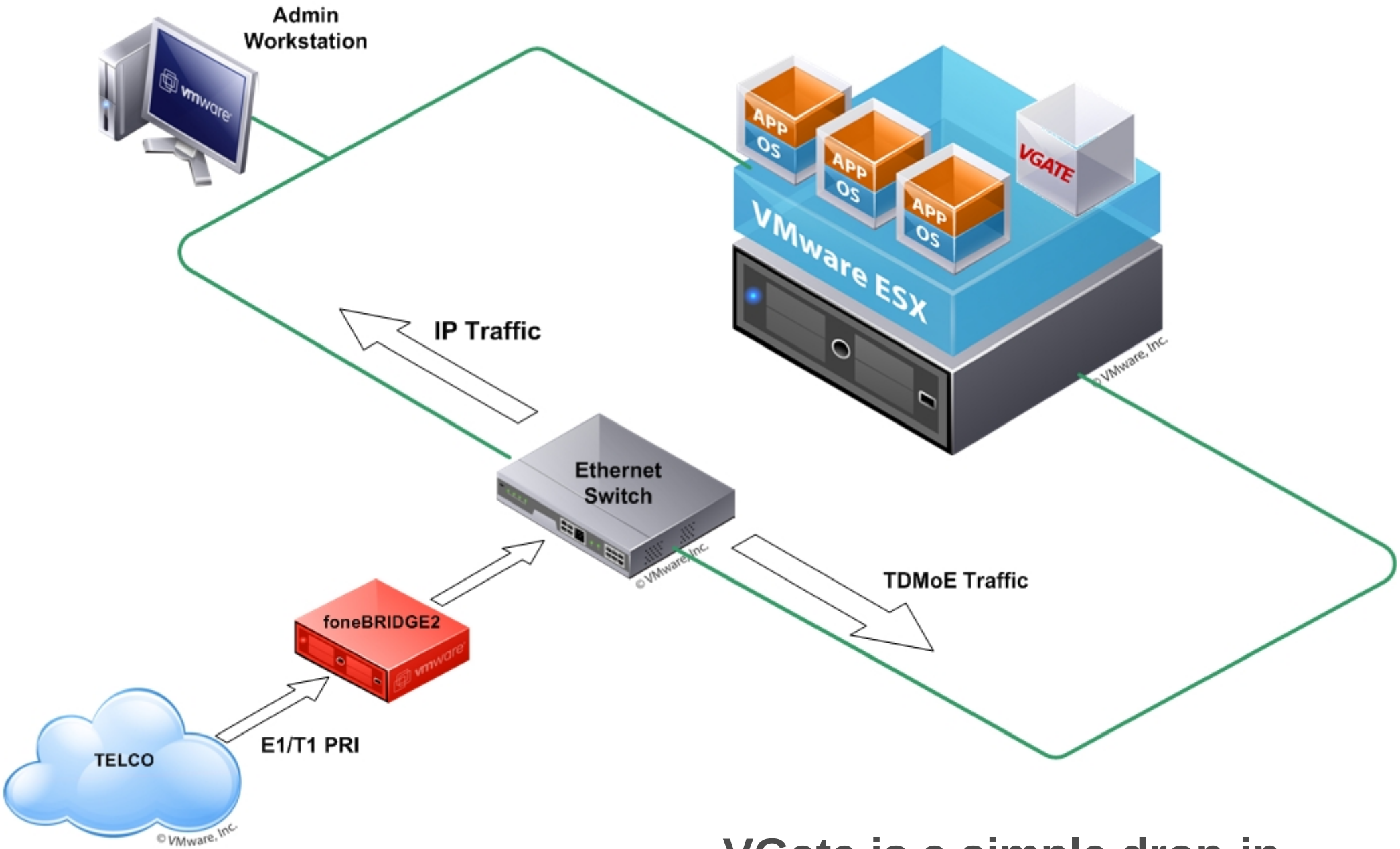
The old one server per application paradigm

Virtualized Install



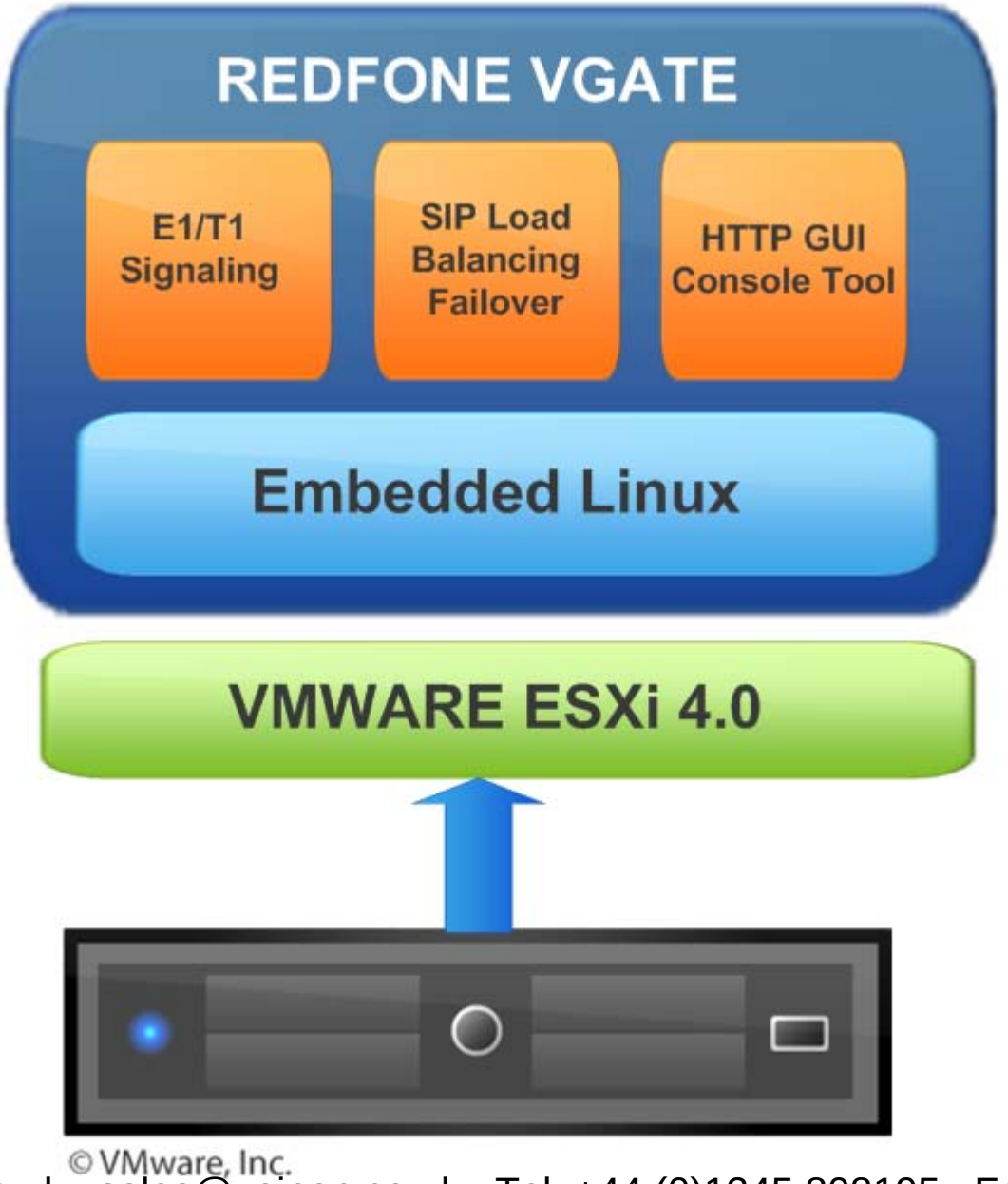
OS and applications consolidated on single server

Virtualized Install

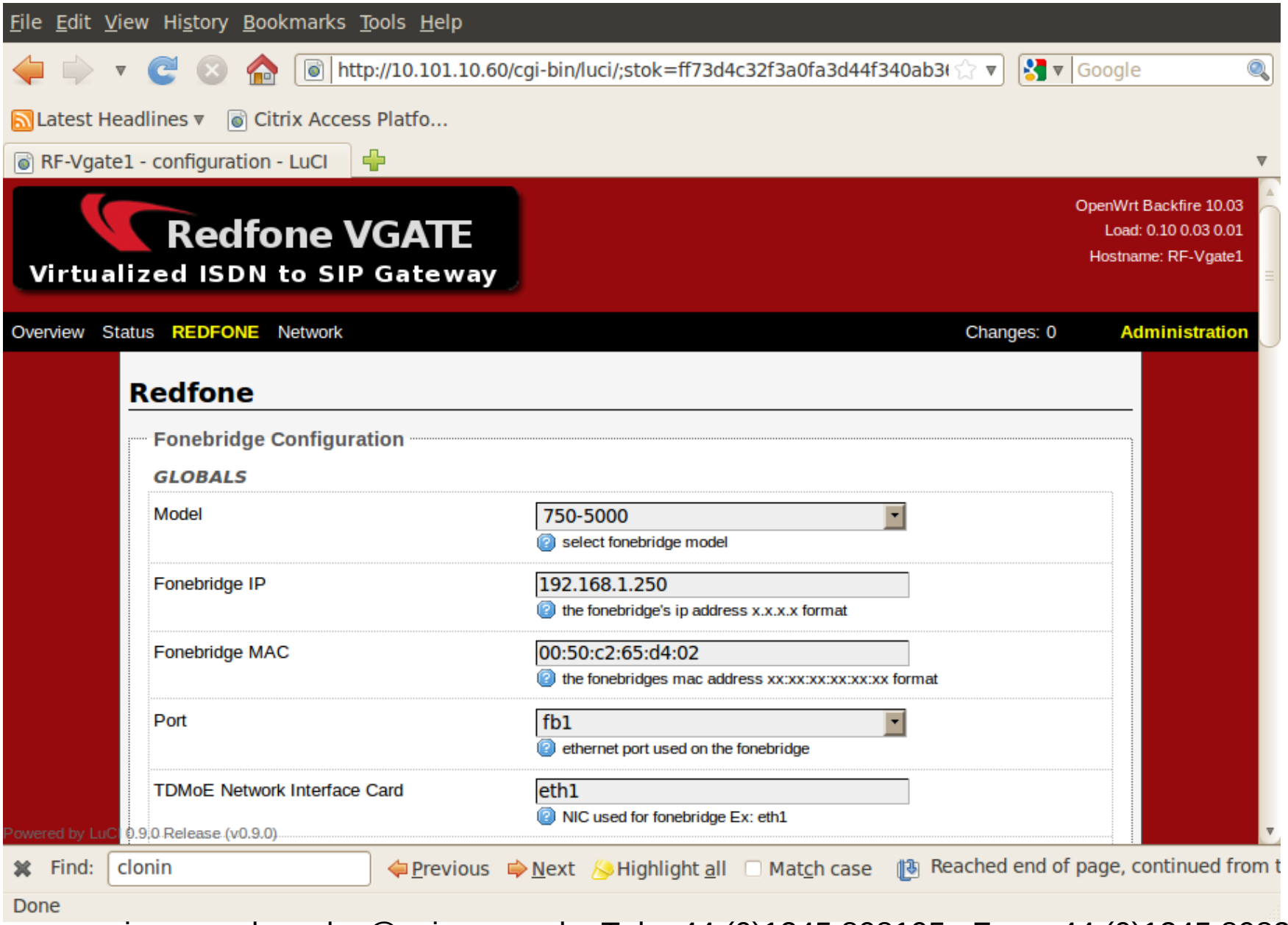


VGate is a simple drop-in, plug-and-play appliance

VGATE Components



VGATE WEB GUI



Customer Requirements

- VMWare qualified server hardware
- VMWare ESXi 4.0
- VMWare Tools Installed
- 2 NICs minimum. One NIC dedicated to foneBRIDGE2
- vSpere Client for remote admin of ESXi server
- One foneBRIDGE2. Only a single foneBRIDGE2 per VGate appliance is supported at this time.
- VGate activation license key