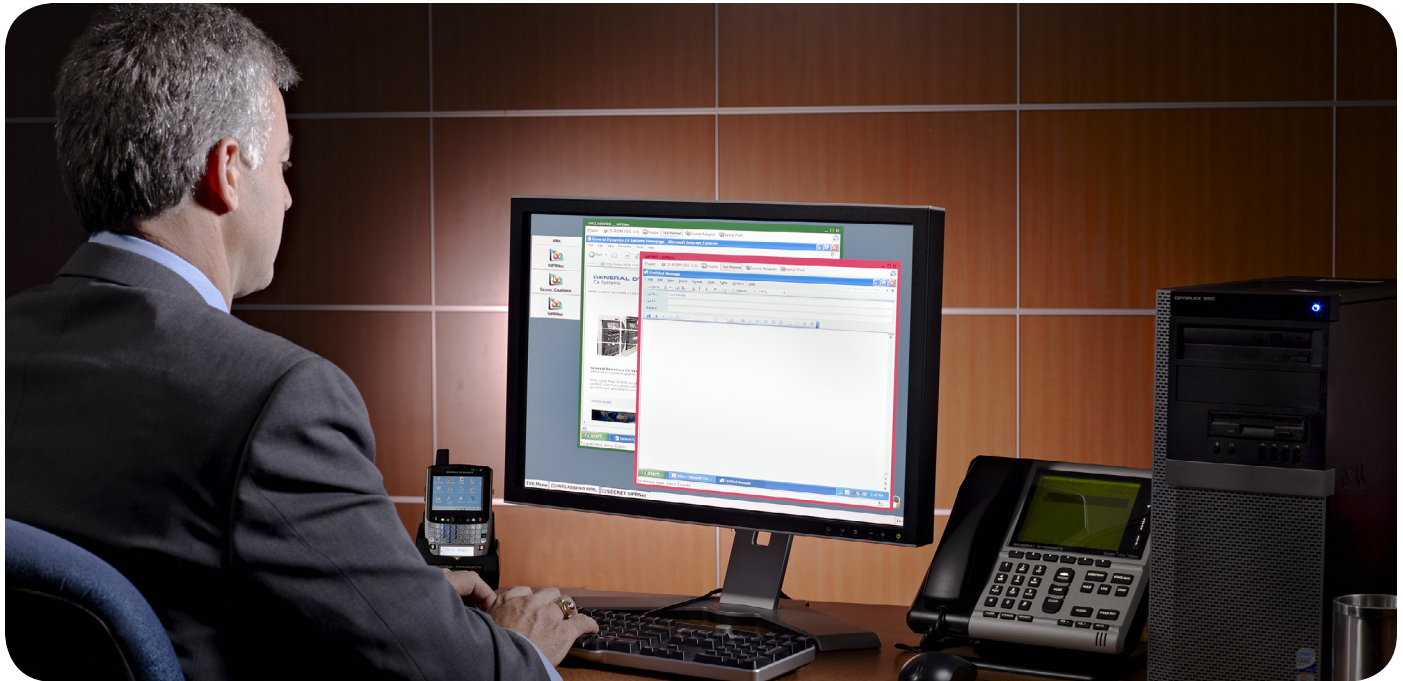


TVE Enterprise Management

Centralized Management of Your TVE Network



Rapid, scalable deployment

Intuitive, easy-to-use controls

Remote software update, diagnosis
and problem resolution

Virtual Machine (VM) cloning

Endpoint compliance automation

Overview

The TVE system incorporates Enterprise Management features that simplify configuration and maintenance of TVE-enabled multilevel computing platforms. The Management features can be accessed either locally or over a protected network from an administration server, allowing a network of TVE-enabled computers to be centrally managed resulting in IT labor savings and increased efficiency.

TVE – Enterprise System Services (ESS)

The management enclave for TVE is referred to as the TVE Enterprise System Service (ESS). General Dynamics offers both software and hardware packages to build the ESS as well as installation and support services to assist users in deployment of the system.

Interoperability

The TVE-ESS is standards-based, and can operate with existing COTS hardware, Microsoft® products and other network tools.

Current supported platforms:

- Microsoft Systems Center
- Windows® Server 2003

TVE Enterprise Management

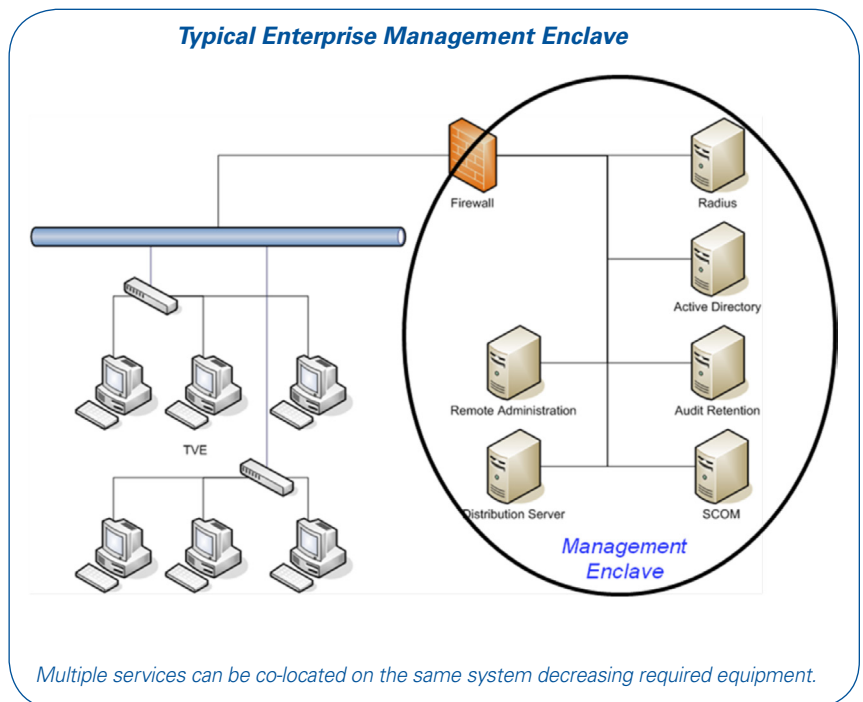
TVE-ESS Features

Feature	Benefit
Standards-based	Provides interoperability with different types and styles of enterprise architectures and commercially available standards-based products.
Enterprise Identification and Authentication	Permits centralized management of users, clients and caveats/compartments for secure login authentication and integrity verification.
User Account Administration and Maintenance	Provides a centralized method for adding, administering, and removing users, clients and caveats/compartments.
Enterprise Audit Log Configuration and Collection	Provides the capability for configuring audit log operation and to automatically forward audit log files from TVE Clients to a centralized repository in the ESS enclave.
Client Health Assessment*	Provides functionality for Microsoft® Operations Manager-based centralized ESS monitoring of vital statistics that correspond to individual TVE clients. The statistics capable of being monitored include: processor and memory utilization, running process status, and logical and physical disk data usage.
Remote Software Update/Patch*	Provides a “push” oriented software update/patch capability to individual or groups of TVE clients. This feature also provides an enterprise administrator with the ability to quickly identify the software update status of individual or groups of TVE clients.
Client Platform and Guest VM Provisioning (Cloning)	Provides the ability to capture a standard, deployed image, consisting of both TVE software and fully configured Guest VMs, from a golden TVE client machine. This captured image can then be installed on one or more TVE client platforms, enabling a standard installation to be deployed across the enterprise.

*Requires use of Microsoft Systems Center within the ESS enclave.

Management Enclave Components

- **RADIUS Server** — The RADIUS server is used to authenticate the client into the ESS Enclave by comparing its measurements to those stored in Active Directory.
- **Active Directory (Windows Server 2003)** — Active Directory (AD) is used for numerous things including: network user, client, and caveat/compartments management; LDAP services to the client; and Kerberos authentication for network user access to TVE Clients.
- **Audit Retention** — Audit logs are retained on the ESS Server itself or can be stored on a NAS or SAN solution mapped to the ESS Server, providing a centralized point for storage/review of the log files.
- **SCOM (Microsoft Operations Manager)** — SCOM is used to provide a central management interface for client monitoring and software update.
- **Remote Administration** — The Remote Administration pack can be used to remotely access/manage any tethered client that resides in the enterprise.
- **Distribution Server** — The distribution server is used to hold the software update repository as well as the location of the software update packages prior to distribution to selected TVE Clients.



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