# VEEDER-ROOT

CONNECTED. SECURE. COMPLIANT.

Centralized Device Management

Defend against catastrophic data loss and create a secure operating environment with the latest software upgrades for your automatic tank gauges.

Centralized Device Management (CDM) is a server-based software package to manage your entire network of sites.

- Ensure your ATG consoles are always up to date with the latest features and security updates.

- Perform software upgrades and backups across your console network on your schedule.

- Back up console data and settings, ensuring you never lose important records.
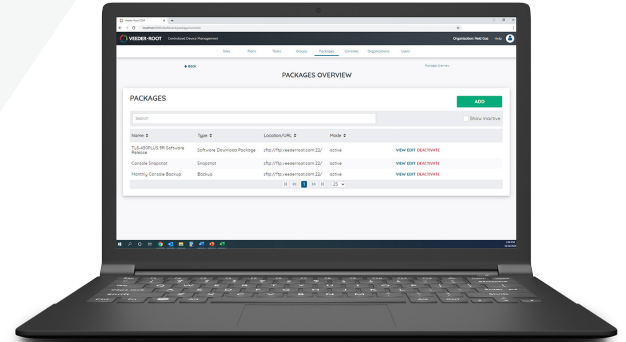
▶ SERVER-BASED ATG MANAGEMENT PLATFORM

Upgrades and backups are initialized from CDM and can be contained behind your network firewall for security.

Internet or Intranet

🔒 **Responses**   🔒 **Requests**

Centralized Device Management (CDM)   **TLS-450PLUS & TLS4 Series**
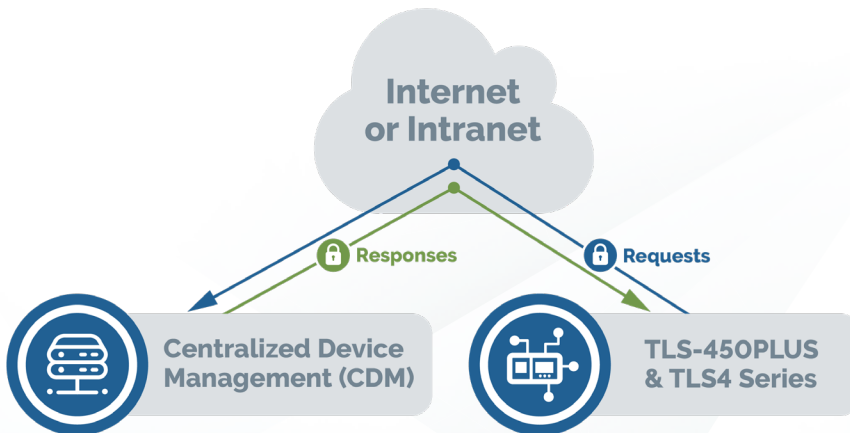
A console connected to your CDM server will periodically reach out to check for available software packages and perform backups.

THE VALUE OF CDM

AUTOMATION

CDM can be completely or partially automated:

- Eliminate the time intensive process of updating and backing up consoles across an organization.

- Save money on on-site technician fees.

PEACE OF MIND

Never lose important console data:

- If your consoles are not backed up, you could lose all compliance data, which puts you at risk.

- If you do not have compliance data, you could be subject to fines.

www.veeder.com

VIEW PACKAGE

PACKAGE
[EDIT]

Name: TLS-450PLUS 9M Software Release
URL: http://documents/CDM_Software_Packages
File Size: 338310454 Bytes
Version: 9.M 223.21

Type: Software Download Package
Mode: active
Checksum: ba5be52eb1a29b5334b5836a0360a1ad
Notes:

Updated By: tysonkreid at 9/1/2020, 11:32 AM   Created By: tysonkreid at 9/1/2020, 11:32 AM

▶ SOFTWARE UPGRADE
Keep better control of your network

- Automate remote software downloads and upgrades for your entire network.
- Set software to automatically download and activate, or manually download and activate at your convenience.
- Schedule upgrades around your specific needs.
- Group consoles by location, site type, time zone, etc.

▶ BACKUP
Protect your site data to ensure proper compliance

- Automatically backup TLS-450PLUS and TLS4 Series console data for any console in your network.
- Use the backup file to configure new build sites.

VIEW VAULT

VAULT
[EDIT]

Name: SimGas Backup Amazon Vault
Location: https://s3.amazonaws.com:443/
Access Key ID: jsmith@simgas.com
Bucket: buckets/simgas-backups

Method: S3
Certificate: ---
Secret Access Key: ****
Region: eastern-us

VIEW PACKAGE

PACKAGE
[EDIT]

Name: Daily Backups to Amazon S3
Vault: SimGas Backup Amazon Vault
Directory: Console ID / Year

Type: Backup
URL: https://s3.amazonaws.com:443/
Mode: active

VIEW PLAN

PLAN
[EDIT]

Plan Name: Daily Backup to Amazon S3
Start Date: 9/29/20, 12:00 AM
Active From: 12:00 AM
Schedule Type: Daily
Day Of Month:
# of Consoles: 2
Status: Defined

Package: Daily Backups to Amazon S3
End Date: 12/31/20, 11:59 PM
Active Thru: 6:00 AM
Occurence:
Week Day:
Mode: active

Created By: jsmith at 9/29/20, 9:23 AM   Updated By: jsmith at 9/29/20, 9:23 AM

VIEW PACKAGE

PACKAGE
[EDIT]

Name: Console Snapshot
Vault: SFTP - Veeder-Root
Directory: Snapshot
Notes:

Type: Snapshot
URL: sftp://ftp.veederroot.com:22/
Mode: active

Updated By: tysonkreid at 10/14/20, 4:45 PM   Created By: tysonkreid at 10/14/20, 4:45 PM

▶ CONSOLE SNAPSHOT
### Easily troubleshoot site issues

- A Console Snapshot captures the database and logs.
- Capture a Console Snapshot to provide useful information to Veeder-Root Technical Support.

MANAGING YOUR DATA
IN CDM

CDM allows you to organize your network through a flexible hierarchy to meet your business needs:

- **Organizations** – The top-level unit that manages a group of sites.
- **Vaults** – A place to store files, including Software Upgrades as well as Backups and Console Snapshots.
- **Users** – Those allowed to access CDM. Users can have either an Admin role or a User role.
- **Sites** – A site is typically a geographical location where consoles are located (i.e. a station or building).
- **Consoles** – The TLS-450PLUS and/or TLS4 Series ATG(s) located at a site.
- **Groups** – A grouping of consoles.
- **Packages** – A package defines something to be done (e.g. Software Upgrade, Backup and Console Snapshot).
- **Plans** – Plans are used to manage the actions done for a set of consoles.
- **Tasks** – Behind the scenes, tasks are used to manage work being done on a console and to report the progress towards completion.
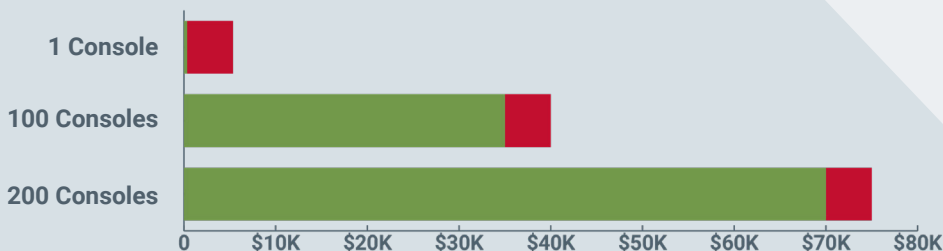
Here is an example of how you can organize your sites and consoles in CDM:
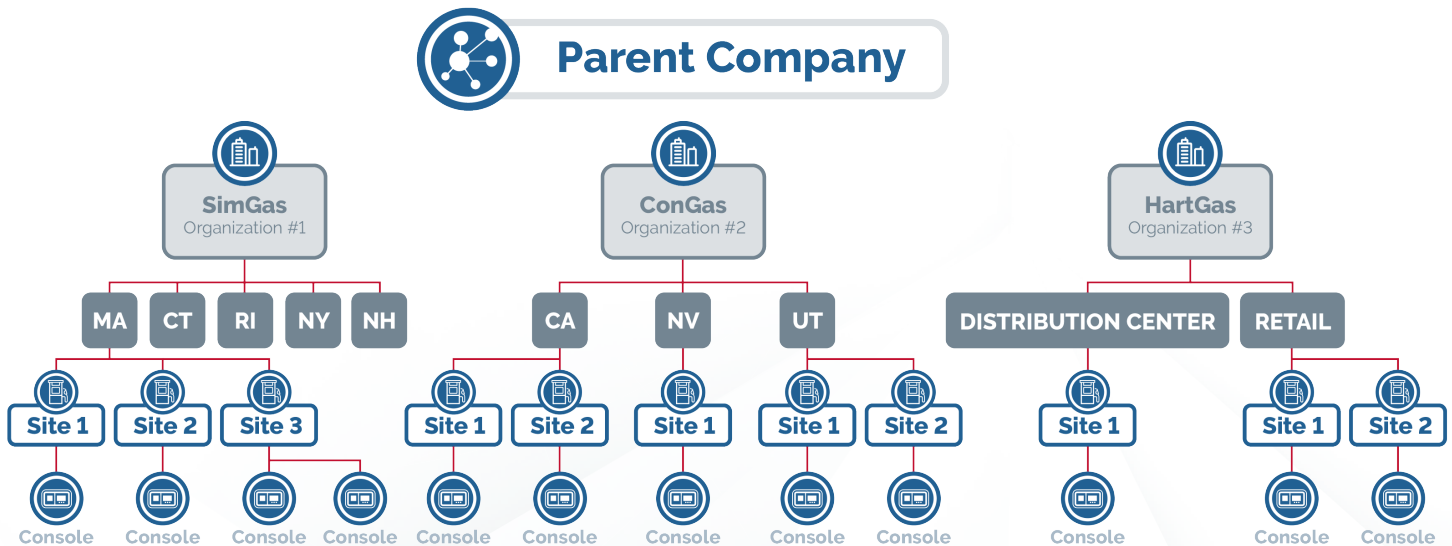
COST SAVINGS ESTIMATOR

Cost to Upgrade a Console = $350 per site visit.
**Cost to Recover Lost Data = $5,000+**

For every 200 sites, the estimated cost for the ASCs to visit all of these locations would be approximately $70,000. The estimated timeline for onsite upgrades for this number of sites would be approximately 6-8 weeks, versus CDM remote upgrades that would take a few minutes.

SYSTEM REQUIREMENTS
FOR CDM

- **Tested on PC-based systems:** Windows 10 and Windows Server 2018
- **Software:** CDM and a web server for filesharing
- **Four open ports:** Here are examples of typical port configurations
    - Port 3000 – Communication from consoles to CDM (Additional).
    - Port 3001 – Console fileshare access (Additional).
    - Port 53 – Communication from the consoles to a DNS server (Standard).
    - Port 443 – Communication from a PC to the consoles (Standard).
- **A separate fileshare server to store updates (HTTP/HTTPS)**
    - Abyss is a free downloadable web server package
    - Microsoft IIS
    - Apache
    - Other Windows based web servers

▶ HOW CDM WORKS

The following diagram shows the interactions of the various components in the CDM environment. CDM is a server-based application sitting in the cloud, consoles are sitting out on the network, there is a fileshare (in this case Abyss), and users accessing the systems with a web browser. The console reaches out to CDM with a request, CDM responds back telling the consoles where the upgrade file is located. In this case, it is on a fileshare running Abyss. This upgrade file will be downloadable from the Abyss server to CDM. Once CDM receives the response telling it where the file is for the upgrade, the console will reach out to the Abyss server and pull over that file for upgrade purposes.
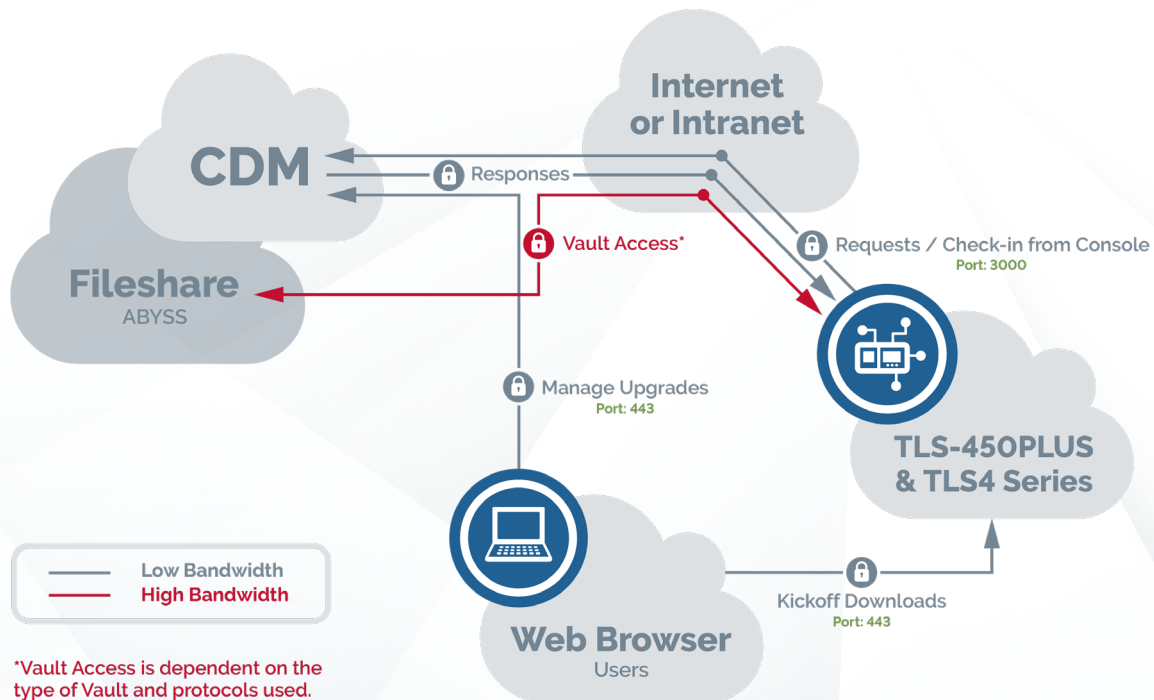
▶ For more information on CDM, visit **www.veeder.com/us/cdm**

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