



FLOWSTER DCS Datacenter Shutdown

DCS

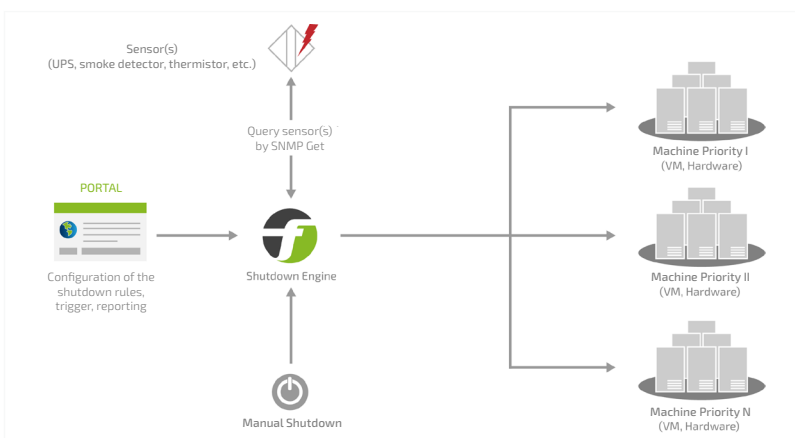
The Problem

The orderly shutdown of a data center inherently requires a lot of time to determine the proper sequence of actions. However, as a result of insufficient documentation various tasks are often overlooked, thus jeopardizing data consistency. This risk should be avoided. In connection with crisis scenarios, such as power outages, an autonomous mechanism is needed to reliably take over this job. Though established solutions often cover the shutdown of multiple systems, due to existing priorities or hardware integration needs such solutions are not flexible enough to be productively implemented.

Solution Description

FLOWSTER DCS (Datacenter Shutdown) is a software solution with which datacenters can be intentionally shutdown in an emergency (power outage, high temperature, smoke, moisture) or for maintenance purposes, taking consideration for system dependencies. The shutdown can be executed manually or on the basis of, for example, SNMP sensors. Incorporation into existing monitoring tools is also possible. The solution can be configured with the help of a management website, thus allowing for individual adjustments to your own requirements.

SYSTEM ARCHITECTURE



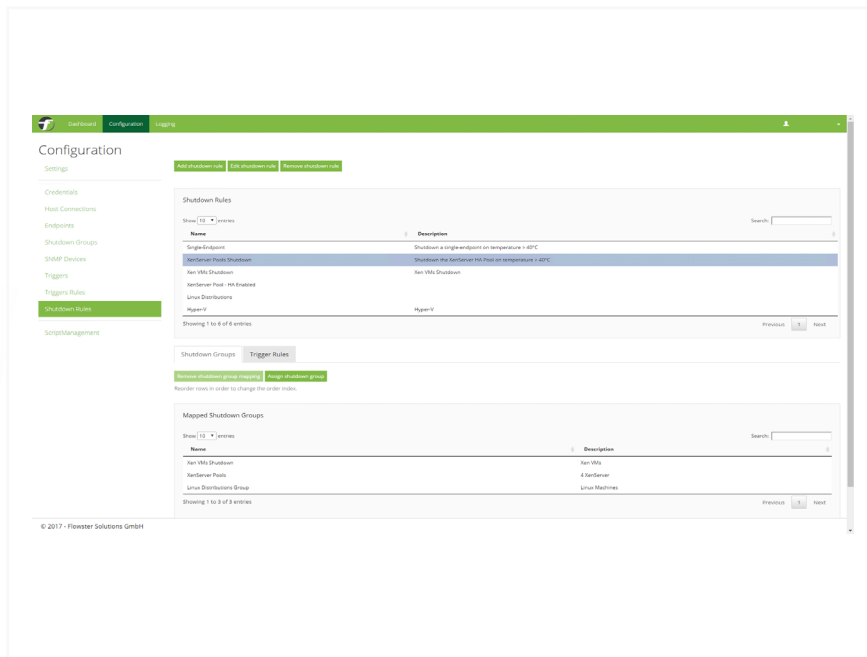
FEATURES

- ✓ Monitoring of different SNMP sources with dependencies
- ✓ Shutdown of VMs and physical systems
- ✓ Formation of shutdown rules with priorities for the systems and assignment of shutdown triggers
- ✓ Simple configuration via a web interface
- ✓ Configuration of diverging actions at certain times
- ✓ Execution of scripts on target systems e.g. termination of services
- ✓ Control of systems via SSH
- ✓ Configuration of VMware HA and DRS
- ✓ Logging / Reporting
- ✓ Email notifications

Components

- 1 FLOWSTER Server (1 FLOWSTER engine) with FLOWSTER DCS
- Local SQL database on the FLOWSTER server
- FLOWSTER DCS workflow runtime
- SNMP sensors for monitoring/triggering

SCREENSHOT



ADVANTAGES

- ✓ Configuration of HA and DRS prevents the orphaning of VMs
- ✓ Simple shutdown of complex IT environments with dependencies
- ✓ Clean shutdown of IT infrastructures in case of a problem
- ✓ Documented/protocolled shutdowns
- ✓ No dependency to particular producers (Sensors)
- ✓ Active product development
- ✓ Mapping of different scenarios is possible (Partial / service shutdown)

SUPPORTED PRODUCTS

Sensors

- Random SNMP sensors
extension on request possible

Endpoints (targets)

- Virtualization platforms:
 - ✓ VMware vSphere
 - ✓ CITRIX XenServer (in development)
 - ✓ Microsoft Hyper-V (in development)
- Operating systems:
 - ✓ Linux (SSH/Telnet)
 - ✓ Windows Clients as of Windows 7
 - ✓ Windows Server as of Windows Server 2008
 - ✓ Appliances / Storages (SSH/Telnet)
native support on request

SYSTEM REQUIREMENTS

- SNMP Sensors for monitoring/triggering
- PowerShell 3.0
- ASP.NET MVC 4
- IIS 7.0 or higher
- NET Framework 4.5.2
- ReportViewer Runtime 2012
- MS SQL Server 2008 or higher
- Microsoft System CLR Types for SQL Server 2014
- Windows Server 2008 R2 SP1, 2012 R2 or 2016
- Microsoft SQL Server 2014 Management Objects (x64)

ABOUT FLOWSTER

FLOWSTER Solutions offers comprehensive software products and solutions for holistic automation and orchestration in datacenters and cloud infrastructures. With end-to-end ITSM automation for complex enterprise environments and highly integrated, sustainable all-in-one solutions across IT branches, FLOWSTER provides decisive competitive advantages. Extensive consulting services also unlock new innovative potential and ensure the future of your company in the digital age. FLOWSTER is IT automation made in Germany.



AUTOMATION SPECIALIST



AUTOMATION PLATFORM



COMPREHENSIVE SOLUTIONS



VARIETY OF CONNECTORS



LARGE PARTNER NETWORK



ATTRACTIVE PRICE MODEL

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