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# User Interfaces for the DSC Platforms

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The DSC Platforms can be maintained and configured using the the following interfaces:

- [Element Management System \(EMS\)](#)
- [Web-based User Interface \(Web UI\)](#)
- [Text-based User Interface \(Menu UI\)](#)
- [Simple Network Management Protocol \(SNMP\)](#)
- [Transaction Language 1 \(TL1\)](#)
- [Custom Application Mode](#)

## Element Management System

The DSC Platforms are integrated with the Element Management System (EMS) for a seamless and unified element management user experience. For more information, see [DSC Interoperability Matrix](#).

For information about registering the DSC Platforms with EMS, see [Register a DSC Node](#).

You can enable EMS access on the DSC Platforms using the following methods:

- executing the initial configuration procedure. For more information about this procedure, see the following references for the three supported DSC Platforms.
  - for the DSC 8000, see [Executing the Initial Configuration](#)
  - for the DSC SWe on KVM hypervisor, see [Executing the Initial Configuration \(on KVM Hypervisor\)](#)
  - for the DSC SWe on VMware hypervisor, see [Executing the Initial Configuration \(on VMware Hypervisor\)](#)
  - for the DSC SWe on (OpenStack) see, [Executing the Initial Configuration Procedure on the DSC SWe \(on OpenStack\)](#)
- using the Web UI (see [Enabling EMS Access Using the Web UI](#))



DSC can be accessed through the DSC Manager in EMS (see [EMS Access to the DSC Platforms](#)).

## Web-based User Interface

The DSC Platforms support a Web-based user interface (referred to in this library as **Web UI**).

The DSC Platforms feature set has been tested using the following web browsers:

- Internet Explorer: 10, 11.
- Firefox: 45.8.0 ESR, 52.
- Chrome: 56 and above.



### Note

Microsoft Internet Explorer is the supported web browser for the SS7 Database Application (SDA) on DSC 8000. You cannot access the SDA System Manager GUI using an unsupported web browser.

For information about accessing the Web UI, see

- [Accessing the Web UI \(DSC 8000\)](#)
- [Accessing the DSC SWe \(on KVM\) Web UI \(DSC SWe with KVM hypervisor\)](#)
- [Accessing the DSC SWe Web UI \(DSC SWe with VMware hypervisor\)](#)
- [Accessing the DSC SWe \(on OpenStack\) Web UI](#)

For a detailed description of the Web UI, manipulating this UI and mapping of the DSC applications` hierarchies, see the appropriate chapters in the [Web UI and Menu UI Guide](#).

## Text-based User Interface

The DSC 8000 implements a text-based user interface (referred to in this library as **Menu UI**) for the following functions.

- [Executing the Initial Configuration](#)
- [Software Upgrade and Software Rollback](#)
- time zone changes ([Setting System Date and Time](#), Platform Manager User Guide)

The DSC SWe (with KVM hypervisor) implements the Menu UI for the following functions.

- [Executing the Initial Configuration](#)
- [Software Upgrade on KVM and Software Rollback on KVM](#)
- time zone changes ([Setting System Date and Time](#), Platform Manager User Guide)

The DSC SWe(with VMware hypervisor) implements the Menu UI for the following functions.

- [Executing the Initial Configuration \(with VMware Hypervisor\)](#)
- [Software Upgrade on VMWare and Software Rollback on VMWare](#)
- time zone changes ([Setting System Date and Time](#), Platform Manager User Guide)

For instructions about accessing the Menu UI, see [Main Menu Access](#).

## Simple Network Management Protocol

The DSC Platforms are equipped with a Simple Network Management Protocol (SNMP) agent that can connect with up to ten SNMP managers, or network management systems.

SNMP is part of the Transmission Control Protocol/Internet Protocol (TCP/IP) protocol suite. SNMP is an application layer protocol that defines how management information between network devices is exchanged. SNMP provides a means to monitor and control network devices.

For detailed information about SNMP and about accessing this protocol, see [Configuring SNMP](#).

## Transaction Language 1

The DSC Platforms support a customized Linux-based operating system and TL1 command capabilities. The TL1 commands are used to manage software application elements and parameters for this product. The TL1 command prompt is accessible through an SSH tunnel in combination with a Telnet session connected to these platforms using the appropriate IP interfaces (see [Establishing and Terminating a TL1 Command Session](#)).

## Custom Application Mode

Using the Custom Application Mode you can create a redirect button to access any Web-enabled application. For accessing the Web UI, see [Web-based User Interface](#) on this page. For the procedure to create a redirect button, see [Accessing Custom Application Mode Configuration](#).