

ELS 7.1.0 Read Me First

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1 Introduction

This document provides information necessary for the installation of Oracle's StorageTek Enterprise Library Software (ELS) 7.1.0 product set.

Please read this important notice before installing the ELS 7.1.0 products.

2 Release Notes

2.1 Product Highlights

This section highlights key features introduced in ELS 7.1.

Note:

- For a complete list of ELS 7.1 new features, refer to the publication *Introducing ELS 7.1*.
- ELS 7.0 Software Product Enhancements (SPEs) are included as base features in ELS 7.1. For a list of these enhancements, refer to the latest version of the publication *Introducing ELS 7.0*.

2.1.1 VTCS Dynamic Reclaim

Dynamic Reclaim addresses the issue of excessive MVC reclaim resource consumption by allowing areas of tape occupied by stale data to be reused in place.

Dynamic Reclaim is supported only for Oracle's StorageTek T10000 tape drive (T10000B and above), and requires a VTCS CDS level of H.

Refer to the publication *Configuring HSC and VTCS* for more information.

2.1.2 TAPEPlex commands required at SMC Startup

In SMC7.1 the ability to derive TapePlex definitions based on locally defined subsystems is removed. Instead, all TapePlexes must be defined using the TAPEPlex command. If no TAPEPlex commands are found at SMC startup, the SMC subsystem terminates.

In ELS 7.0 and above the SMC TapePlex name is automatically inserted into the HSC CDS and is used for HSC statistical reporting. HSC also provides a SET TAPEPlex utility function to change the TapePlex name in the CDS if desired.

Refer to the following publications for more information:

- *Configuring and Managing SMC*
- *ELS Command, Control Statement, and Utility Reference*

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2.1.3 Library Locations in Decimal

Use of the decimal library location representation will allow clients to be server agnostic whether they are communicating with HSC or ACLS, and avoids the complexity of supporting formats for both products.

All HSC commands that accept ACS, LSM or CAP input now require the ACS, LSM and CAP to be specified in decimal rather than hexadecimal. All commands where both ACS and LSM are input require a format of *AA:LL*.

All library location fields, including ACS, LSM and CAP IDs are treated as decimal values, rather than hexadecimal values as they were in previous releases.

Refer to the *ELS Command, Control Statement, and Utility Reference* for more information.

2.1.4 Journaling Support

Journaling continues to be supported for ELS 7.1. However, this support will be discontinued in the next ELS release. If you are currently using the journaling option, please review the CDS logging feature and other CDS recovery procedures to ensure that you can recover your CDS if necessary.

2.2 Product Documentation

ELS 7.1 product documentation for Oracle's StorageTek SMC, HSC, VTCS, and CDRT software is organized in a single documentation set:

- *Introducing ELS*
- *Installing ELS*
- *ELS Command, Control Statement, and Utility Reference*
- *ELS Syntax Quick Reference*
- *ELS Messages and Codes*
- *ELS Programming Reference*
- *ELS Legacy Interfaces Reference*
- *Configuring HSC and VTCS*
- *Managing HSC and VTCS*
- *Configuring and Managing SMC*
- *ELS Disaster Recovery and Offsite Data Management Guide*

These publications are included on the documentation CD included in the ELS package. They are also available online at <http://www.oracle.com/technetwork/indexes/documentation>

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3 Installation Notes

- SMC, HSC, VTCS, and CDRT share a common load library, SEALINK.
- The ELS installation tape and CD-ROM include a CHGIT REXX exec used to simplify customization of ELS installation sample members according to your requirements.
- Complete instructions for installing the various ELS components is provided in the publication *Installing ELS*. Please refer to the latest version of this publication.
- Ensure that on completion of the apply/accept of the FMIDs that the latest HOLDDATA is received and the latest PTFs are received and applied. Follow your own internal guidelines regarding the SMP/E ACCEPT of the PTFs.
- It is strongly recommended to use GROUPEXTEND on all apply steps.

3.1 Installation Materials

The following installation materials are included in this package:

- Media or file containing the ELS 7.1.0 software.
- Media or file containing PTFs for the ELS 7.1.0 product set.

In addition, you must obtain the latest maintenance (PTFs and HOLDDATA) for the ELS 7.1.0 product set and for any releases of Oracle StorageTek software that will co-exist with ELS 7.1.0. Download maintenance from the SunSolve website at:

http://sunsolve.sun.com/handbook_pub/validateUser.do?target=STK/STK_index

or by calling Oracle StorageTek Software Support at 1 (800) 872-4786 and ordering an all-PTF tape or CD.

3.2 ELS 7.1.0 SMP/E FMIDs

Select the FMIDs that are required to support your configuration. The following SMP/E FMIDs are distributed with ELS 7.1.0:

FMID	Description
SSEA710	HSC, SMC, VTCS and CDRT load modules, distributed macros, and samples. This is a base FMID.
SMZ7100	SMC JES3 support load modules, distributed macros, and samples for MVS systems running JES3 Release 5.2.1, JES3 OS/390 Release 1.1 and higher, or JES3 z/OS Release 1.0 and higher. This is a dependent FMID of SSEA710.
SLM7100	LCM 7.1 load modules, distributed macros, and samples. This is a base FMID.
SOC7100	LibraryStation 7.1 load modules and samples. This is a dependent FMID of SSEA710.
SCS7100	MVS/CSC 7.1 load modules, distributed macros, and samples. This is a base FMID.
SSCR70C	SAS/C 7.0 selected components required for LibraryStation and MVS/CSC. This is a base FMID.
SSCR70D	SAS/C 7.0 selected components required for LibraryStation and MVS/CSC. This is a base FMID.

Table 1 ELS 7.1.0 SMP/E FMIDs

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Note:

- If you are running at an SMP/E level lower than 2.5, ensure that the base FMID(s) and all PTF maintenance for the base FMID(s) is accepted before installing any dependent FMIDs. For certain levels of SMP/E, the restriction applies that a dependent FMID cannot be installed if the base FMID and service have not been ACCEPTED.
- When installing ELS 7.1.0 in an SMP/E CSI containing earlier NCS versions, the SMP/E installation deletes the FMIDs of all earlier NCS versions; it is therefore recommended that you back up the ELS SMP/E CSI prior to installing the ELS 7.1 product components.

3.3 CD Installation

- Refer to the publication *Installing ELS* for the most current installation instructions and examples. The instructions and examples found in that publication always supersede instructions and examples packaged on the CDs.
- 85M of mainframe storage space in a z/OS Unix filesystem is required to FTP and unpack the SEA71.pax file.

3.4 Installation Step I50LIB Creates Two Output Files

Add the following line of JCL to the SYSLIB step (in addition to the existing SMPDOUT DD):

```
//SMPRPT DD SYSOUT=( , )
```

This will prevent the I50LIB job from creating two output files.

3.5 Installation of ELS Product Suite Results in Three SMP/E CSIs Being Created

Please be aware that the SMP/E JCL samples provided create 3 CSIs, one for each zone. If a different CSI management strategy is required in your SMP/E environment you will need to supply your own installation JCL or modify the samples provided.

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4 ELS 7.1 Coexistence with Previous Releases

4.1 SMC 7.1

SMC 7.1 is compatible with the following software releases:

- HSC/VTCS 7.1 on same host
- HSC/VTCS 6.1, 6.2, 7.0, and 7.1 on different host
- MVS/CSC 6.1, 6.2, 7.0, and 7.1

4.2 HSC/VTCS 7.1

HSC/VTCS 7.1 is compatible with the following software releases:

- SMC 7.1 on same host
- SMC 6.1, 6.2, 7.0 and 7.1 on different host
- LibraryStation 7.1 only
- ExPR 6.1 only

4.3 ELS 7.1 Compatibility PTFs

Before attempting to start 7.1.0 ensure that the following compatibility PTFs are installed on the down-level releases that share the CDS.

SMC 7.1 is completely compatible with HSC 6.1, 6.2, and 7.0 (with compatibility PTFs listed below) running on the same or a different host. In addition, SMC 6.1, 6.2, and 7.0 are completely compatible with HSC 7.1 running on the same or a different host.

Product (FMID)	Compatibility PTF
HSC 6.1 (SOS6100)	L1H159J, L1H15JR
SMC 6.1 (SMC6100)	N/A
VM/HSC 6.1 (SMS6100)	L1H159I, L1H15JQ
VTCS 6.1 (SWS6100)	N/A
SMC 6.2 (SMC6200)	N/A
HSC 6.2 (SOS6200)	L1H159L, L1H15JT
VM/HSC 6.2 (SMS6200)	L1H159K, L1H15JS
VTCS 6.2 (SWS6200)	N/A

Table 2 Compatibility PTFs

In addition it is strongly recommended to obtain the latest service (including HOLDATA) for the down-level hosts systems.

The suggested method of implementing 7.1.0 is to:

1. Install the latest service on production hosts.
2. Install 7.1.0 on a test host(s).
3. Test and verify 7.1.0 on test host(s).
4. Schedule the rollout of 7.1.0 to production hosts.