

Veritas Storage Foundation[™] for Oracle RAC README

HP-UX 11i v2

5.0 Maintenance Pack 1 Rolling Patch 2



Veritas Storage Foundation for Oracle RAC README

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Veritas Storage Foundation for Oracle RAC README

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Introduction

This document provides important information about the Veritas Storage Foundation™ for Oracle RAC 5.0 Maintenance Pack 1 Rolling Patch 2. Review this entire document before installing the patch.

Before getting started

You must upgrade to SF Oracle RAC 5.0 MP1 before installing SF Oracle RAC 5.0 MP1 RP2. Refer to the *Veritas Storage Foundation for Oracle RAC 5.0 Installation and Configuration Guide* for installing SF Oracle RAC 5.0 and SF Oracle RAC 5.0 MP1. SF Oracle RAC 5.0 MP1 RP2 contains PVKL_03814 patch.

Note: Removing SF Oracle RAC 5.0 MP1 RP2 takes the system back to SF Oracle RAC 5.0 MP1 or SF Oracle RAC 5.0 MP1 CP1, as per the previous configuration.

What's new in this patch

SF Oracle RAC 5.0 MP1 RP2 provides support to Oracle 10g Release2 (10.2.0.4).

Installing SF Oracle RAC 5.0 MP1 RP2

Perform the following steps to install SF Oracle RAC 5.0 MP1 RP2 on SF Oracle RAC 5.0 MP1 cluster:

- 1 Stop Veritas Cluster Server (VCS) on all nodes.
`# hastop -all`
- 2 Stop the Veritas Cluster Server Membership Module (VCSMM) driver on each node.
`# /sbin/vcsmmconfig -U`
- 3 Install patch PVKL_03814 on each node.
`# swinstall -s <patch location> -x autoreboot=true PVKL_03814`
- 4 Verify that the patch is installed.
`# swlist PVKL_03814`

If the patch installation is successful, the output resembles the following:

#PVKL_03814	1.0	VRTS 5.0 MP1 RP2 VRTSdbac Patch
PVKL_03814.DBAC-KRN	1.0	Veritas LMX and VCSMM kernel files
PVKL_03814.DBAC-RUN	1.0	Veritas DBAC generic files
PVKL_03814.LMX-RUN	1.0	Veritas LMX userland files
PVKL_03814.VCSMM-RUN	1.0	Veritas VCSMM userland files

5 Verify that the new VCSMM driver is installed.

```
# kcmodule -v vcsmm
```

If the patch installation is successful, the following information is displayed:

Module	vcsmm (1.500.1)
Description	VERITAS Membership Manager revision 5.0.1.0
State	loaded (as requested)
State at Next Boot	loaded (as requested)
Capable	loaded auto unused
Depends On	module gab:0.0.0 interface HPUX_11_23:1.0

6 Start VCSMM on all nodes.

```
# /sbin/init.d/vcsmm start
```

7 Start VCS on all nodes.

```
# hastart
```

Make sure to run this command from each node.

Uninstalling SF Oracle RAC 5.0 MP1 RP2

Perform the following steps to uninstall SF Oracle RAC 5.0 MP1 RP2:

1 Stop VCS on all nodes.

```
# hastop -all
```

2 Stop the VCSMM driver on each node.

- ```
/sbin/vcsmmconfig -U
```
- 3 Remove the patch PVKL\_03814 from each node.  

```
swremove -x autoreboot=true PVKL_03814
```
  - 4 Verify that the patch is removed from each node.  

```
swlist PVKL_03814
```

If the patch removal is successful, the output resembles the following:

```
ERROR: Software "PVKL_03814" was not found on host
```
  - 5 Start VCS on all the cluster nodes.  

```
hastart
```

Make sure to run this command from each node.

## Installing SF Oracle RAC 5.0 MP1 RP2 on Oracle 9i or Oracle 10g cluster

Perform the following steps to install SF Oracle RAC 5.0 MP1 RP2 on Oracle 9i or Oracle 10g cluster:

- 1 Install SF Oracle RAC 5.0 MP1 RP2.  
See "[Installing SF Oracle RAC 5.0 MP1 RP2](#)" on page 8.
- 2 Relink the SF Oracle RAC libraries to Oracle.  
Refer to the *Veritas Storage Foundation for Oracle RAC 5.0 Installation and Configuration Guide*, Appendix F: "Linking VERITAS Libraries to Oracle".

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**Note:** While applying Oracle Patchset 10.2.0.4 to Oracle CRS, you need not apply the `init.cssd` patch before running the `root<xxx>.sh` script.

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# Documentation

Product guides are available on the documentation disc in the PDF format. We recommend copying pertinent information, such as installation guides and release notes, from the disc to your system directory. Other guides specified in this document are available with the base release of this product.

This release includes the following documents:

| Title                                               | File Name        |
|-----------------------------------------------------|------------------|
| Veritas Storage Foundation for Oracle RAC<br>README | sfrac_readme.pdf |

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