

Veritas FlashSnap™ Agent for Symmetrix リリースノート

Solaris

5.0

Veritas FlashSnap Agent for Symmetrix リリースノート

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Veritas FlashSnap Agent 5.0 for Symmetrix

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Veritas FlashSnap Agent for Symmetrix リリース ノート

このマニュアルでは、Veritas FlashSnap Agent for Symmetrix (VxFAS) バージョン 5.0 について説明します。VxFAS は、Veritas Volume Manager (VxVM) に対する Veritas FlashSnap オプションのコンポーネント機能です。

VxFAS をインストールする前に、このマニュアルの内容をすべてお読みください。内容は次のとおりです。

- サポート対象外
- サポート対象ハードウェア
- 以前のバージョンの VxFAS との互換性
- 他のシマンテック社製品との互換性
- 既に確認されている問題
- Veritas インストールユーティリティ
- Veritas FlashSnap Agent for Symmetrix パッケージ
- マニュアル
- 製品エラーメッセージ

サポート対象外

このリリースは、以前は Veritas TimeFinder Tool Kit (VxFAS) の名称だった Veritas FlashSnap Agent for Symmetrix を提供する最後のリリースです。現在 VxFAS を使っている場合、同じホストに LUN スナップショットをインポートする、新しい VxVM 5.0 のケイパビリティを代わりに使うことをお勧めします。

サポート対象ハードウェア

VxFAS は次の OS をサポートしています。

- Solaris 8 (32 ビットおよび 64 ビット)
- Solaris 9 (32 ビットおよび 64 ビット)
- Solaris 10

このリリーストレインでサポートされるハードウェアについて、詳しくは、[HCL <http://support.veritas.com/docs/283161>](http://support.veritas.com/docs/283161) を参照してください。

以前のバージョンの VxFAS との互換性

VxFAS コマンドラインユーティリティは、VxTF バージョン 4.0 および VxFAS バージョン 4.0 と下位互換性があります。

今回のバージョンの VxFAS では、VxTF 4.0 および VxFAS 4.0 で作成された VCS リソース設定を再利用できます。以前のバージョンの VxTF または VxFAS から今回のバージョンの VxFAS にアップグレードする手順については、『Veritas FlashSnap Agent for Symmetrix インストールガイド』を参照してください。

メモ: VxFAS では、Symmetrix コマンドラインインターフェース (SYMCLI) および EMC Solutions Enabler キット V5.2 以上が必要です。これより前の SYMCLI を使っている場合は、初めに SYMCLI ソフトウェアをアップグレードしてください。

他のシマンテック社製品との互換性

今回のバージョンの VxFAS は、Veritas Storage Foundation™ for Oracle とともにインストールされる VRTSvail パッケージと互換性があります。VxFAS を機能させるには、VRTSvail パッケージをインストールする必要があります。VRTSvail パッケージのインストールが完了すれば、EMC Symmetrix、および混在した SAN 環境でサポートされている他のストレージアレイに対して VRTSvail パッケージの処理効率統計およびディープマッピング機能を使えます。

今回のバージョンの VxFAS は、Solaris 8 または Solaris 9 上でのみ、他の Veritas 4.1 製品と動作します。

既に確認されている問題

最新の製品情報

製品をインストールする前に、今回のリリースの更新、パッチ、およびソフトウェアの問題に関する最新情報について、Veritas テクニカルサポートの次の TechNote をお読みください。

<http://support.veritas.com/docs/281987>

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```
# rm -rf zonepath/root/var/sadm/pkg/VRTSvlic
```

製品をアップグレードするときに、ローカルゾーンが設定されている場合は、インストーラアップグレード手順を選択 (またはコマンドラインからスクリプトを実行) する代わりに、次の手順に従ってアップグレードを実行します: 製品をアンインストールし、Infrastructure パッケージ (uninstallinfr スクリプト) をアンインストールしてから、製品を再インストールします。

サポートされていない機能

今回のバージョンの VxFAS では、Solaris 10 オペレーティングシステムはサポートされていません。

VxFAS は RAID-5 デバイスでは動作しません。

VxFAS では、TimeFinder/Clone 操作と TimeFinder/Snap 操作はサポートされていません (Symmetrix TimeFinder/Clone 操作では、ソースデバイスのクローンコピーを複数のターゲットデバイスに作成できます。TimeFinder/Snap 操作により、ソースデバイスと複数の仮想ターゲットデバイス間の仮想コピーセッションが管理されます)。

Symmetrix ディスクグループを分割または結合できない

VxVM ディスクグループが分割または結合されても、対応する Symmetrix デバイスグループは VxFAS で認識されません。VxFAS がインストールされている場合、vxdg split または vxdg join を実行すると失敗し、次のメッセージが表示されます。

```
VxVM vxdg ERROR V-5-1-10223 Symmetrix API 内部エラー  
(Symmetrix API internal failure)
```

エラーメッセージが表示されても、VxVM ディスクグループは正常に再設定されます。

製品のインストール中に /etc ディレクトリ許可が変更される

pkgadd コマンドの Solaris のバグにより、シマンテック社製品のインストール中に /etc ディレクトリの許可が変更されることがあります。インストール後、ディレクトリの許可が変更されていないことが確認します。chmod コマンドを使って許可をリセットしてください。

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Veritas FlashSnap Agent for Symmetrix パッケージ

Veritas 製品では、複数のソフトウェアディスクが提供されます。各ディスクの内容は、ラベルに表示してあります。Veritas FlashSnap Agent for Symmetrix は、Storage Foundation 製品の一部です。次の VxFAS パッケージが storage_foundation/pkggs ディレクトリに収録されています。

- VRTSfas: Veritas FlashSnap Agent for Symmetrix
- VRTSfasag: Veritas Cluster Server Agents for Veritas FlashSnap Agent for Symmetrix.
- VRTSfasdc: Veritas FlashSnap Agent for Symmetrix のマニュアル

VRTSfas は、必須の VxFAS バイナリパッケージです。

VRTSfasag は、VxFAS 操作に高可用性機能を必要とする場合に使う、VCS 用 VxFAS の任意のアドオンパッケージです。

VRTSfasdc は、任意のマニュアルパッケージです。

マニュアル

今回のバージョンの VxFAS には、次のマニュアルが Adobe Portable Document Format (PDF) ファイルで収録されています。

- 『Veritas FlashSnap Agent for Symmetrix インストールガイド』
- 『Veritas FlashSnap Agent for Symmetrix 管理者ガイド』
- 『Veritas Cluster Server Agents for Veritas FlashSnap Agent for Symmetrix インストール / 設定ガイド』

『Veritas FlashSnap Agent for Symmetrix リリースノート』は、Veritas ソフトウェアディスクの storage_foundation/release_notes ディレクトリに英語版が、Language CD には同様に日本語版が、vxfas_notes.pdf ファイルとして収録されています。製品のリリースノートはパッケージではインストールされないため、後で参照できるように Veritas ソフトウェアディスクから /opt/VRTS/docs ディレクトリにコピーすることをお勧めします。

オンラインマニュアルの表示

Veritas FlashSnap Agent for Symmetrix のマニュアルは、Veritas Documentation ディスクに PDF ファイルおよび検索可能な HTML 形式で収録されています。『Veritas FlashSnap Agent for Symmetrix インストールガイド』は、Veritas ソフトウェア製品ディスクの storage_foundation/docs ディレクトリに PDF ファイルで収録されています。PDF のマニュアルを表示または印刷するには、Adobe Acrobat Reader が必要です。VxFAS のマニュアルセットには、次の 3 つのマニュアルが含まれています。

- 『Veritas FlashSnap Agent for Symmetrix インストールガイド』
VRTSfasdc パッケージをインストールすると、次の場所に収録されているこのマニュアルにアクセスできます。
/opt/VRTS/docs/vxfas_install.pdf
- 『Veritas FlashSnap Agent for Symmetrix 管理者ガイド』
VRTSfasdc パッケージをインストールすると、次の場所に収録されているこのマニュアルにアクセスできます。
/opt/VRTS/docs/vxfas_admin.pdf
- 『Veritas Cluster Server Agents for Veritas FlashSnap Agent for Symmetrix インストール / 設定ガイド』
VRTSfasdc パッケージをインストールすると、次の場所に収録されているこのマニュアルにアクセスできます。
/opt/VRTS/docs/vxfas_vcsagent_install.pdf

VRTSfasdc パッケージのインストール手順の詳細については、『Veritas FlashSnap Agent for Symmetrix インストールガイド』を参照してください。

オンラインマニュアルページ

このリリースでは、VRTSfas パッケージにオンラインマニュアルページが含まれています。

オンラインマニュアルページは、`/opt/VRTS/man`（この値を `MANPATH` 環境変数に追加してください）の該当するディレクトリにインストールされますが、`windex` データベースは自動的に更新されません。新しい VxFAS マニュアルページが正しく表示されていることを確認するには、VRTSfas のインストール後、`windex` データベースを更新します。詳細については、`catman (1M)` マニュアルページを参照してください。

関連リソース

- Veritas Storage Foundation インストール
- Veritas Volume Manager 管理者ガイド
- Veritas Enterprise Administrator ユーザーズガイド
- Veritas File System 管理者ガイド
- EMC PowerPath Product Guide

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メッセージ番号は、[V] で始まる英数字の文字列です。例えば、次のようなメッセージ番号です。

V-5-732-8018 **少なくともディスクを 1 つ指定する必要があります。**
(At least one disk must be specified)

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Expat XML Parsing Library

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MD5.h

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JavaTip87: Automate the Hourglass Cursor

Kyle Davis

Portions of this code taken from an article available as of 2/02/02 on the JavaWorld Internet site, entitled Javatip87: Automate the HourGlass Cursor by Kyle Davis.

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Sockets++ library

University of Texas

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