

RAS 支援サービス インストールガイド for VMware

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1. はじめに

本書では、弊社 PC サーバ PRIMERGY にて VMware Infrastructure 3, VMware vSphere 4 を使用する場合は、RAS支援サービスのインストール・設定について説明しています。

2. RAS支援サービスのインストール

2.1 RAS支援サービスのインストール・設定

PRIMERGY の寿命部品を監視できるようにするため、管理コンソール上から RAS 支援サービスをインストールします。

RAS 支援サービスを使用するためには管理コンソールに RAS 支援サービスの拡張パッケージ (Web サーバ: httpd(Apache)) を導入する必要があります。

注) 「PRIMERGY スタートアップディスク」は使用できません。

1. VMware ESX の Service Console にrootユーザでログインします。

2. RAS 支援サービス 拡張パッケージ (Web サーバ) のインストールを実施します。

「PRIMERGY ドキュメント&ツール CD for VMware バンドルタイプ用」をセットし、以下のコマンドを実行します。

```
# mount /mnt/cdrom
# cd /mnt/cdrom/RAS_VM4/MTEP
# ./install.sh
```

3. 以下のコマンドを実行して、Web サーバに割り当てるポート番号で通信できるように、ファイアーウォールの操作を実施します。

```
# esxcfg-firewall --openPort <port-number>,tcp,in,"httpd"
# esxcfg-firewall --openPort <port-number>,tcp,out,"httpd"
```

<port-number>には、Web サーバ用に割り当てるポート番号を指定します。

以下に“9642”を割り当てる場合の実行例を示します。

実行例:

```
# esxcfg-firewall --openPort 9642,tcp,in,"httpd"
# esxcfg-firewall --openPort 9642,tcp,out,"httpd"
```

4. 以下のコマンドを実行して、VMware のサービスを再起動します。

```
# service mgmt-vmware restart
```

5. /etc/httpd/conf/httpd.conf を編集ツール (vi 等) で修正し、Web サーバのポート番号を設定します。

※ Web サーバのポート番号に“9642”を割り当てる場合、以下の設定変更は必要ありません。

[変更前]: Listen 9642

[変更後]: Listen <port-number>

<port-number> には、Web サーバ用に割り当てるポート番号を指定します。

6. 以下のコマンドを実行して、Web サーバを起動し、システム起動時に自動起動するように設定します。

```
# /etc/init.d/httpd start
# chkconfig --level 3 httpd on
```

7. 以下のコマンドを実行して、RAS 支援サービスのインストールを実施します。

```
# cd /mnt/cdrom/RAS_VM4/RASv311  
# ./rasinstall
```

※ インストールが完了すると、Web サーバが再起動されます。

以上でRAS 支援サービスのインストールは完了です。

RAS 支援サービスの使用方法については、「PRIMERGY ドキュメント&ツール CD for VMware バンドルタイプ用」内の以下のRAS 支援サービスユーザーズガイドを参照してください。

LinuxRAS_v311.pdf

3. 留意事項

3.1 RAS支援サービス最新ソフトウェアの入手

PC サーバPRIMERGY（プライマジー）のサイトのダウンロードページ（<http://primeserver.fujitsu.com/primergy/downloads/>）から最新版ソフトウェアが入手できます。

3.2 RAS支援サービスのアップグレード

RAS 支援サービスをアップグレードする場合は、事前にRAS 支援サービスをアンインストールしておく必要があります。アンインストール前に、予めRAS 支援サービスの Web-UI を開いて、UPS/RAID バッテリーの搭載日や稼働時間をメモしておいてください。アップグレード完了後、メモしておいた搭載日や稼働時間を Web-UI から再設定してください。

但し、インストールされている RAS 支援サービス パッケージが RASAssist-3.1.0-01 以降の場合は、アンインストールする必要はありません。そのまま RAS 支援サービスのインストール（2.1 項の手順7）を実施することでアップグレードが行えます。この場合、UPS/RAID バッテリーの搭載日や稼働時間、Web-UI へのログインパスワードの設定が旧版から引き継がれます。

インストールされている RAS 支援サービス パッケージを確認する場合は、以下の操作を実施してください。

1. VMware ESX の Service Console にrootユーザでログインします。
2. 以下の操作でRAS 支援サービス パッケージのバージョンを確認します。
rpm -q RASAssist

3.3 RAS支援サービスのアンインストール

RAS 支援サービスをアンインストールする場合は、以下の操作を実施してください。
注) RAS 支援サービスの Web-UI を開いている場合は、全て終了してください。

1. VMware ESX の Service Console にrootユーザでログインします。
2. 以下の操作でRAS 支援サービス パッケージをアンインストールします。
rpm -e RASAssist

3.4 RAS支援サービス 拡張パッケージのアンインストール

RAS 支援サービス 拡張パッケージ (Web サーバ) のアンインストールは以下の手順で行います。
ただし、拡張パッケージをアンインストールすると RAS 支援サービスは使用できなくなります。

1. VMware ESX の Service Console にrootユーザでログインします。
2. Web サーバを停止します。以下のコマンドを実行してください。
/etc/init.d/httpd stop
3. 割り当てたポート番号で通信できないようにファイアーウォールの操作を実施します。
esxcfg-firewall --closePort <port_number>,tcp,in
esxcfg-firewall --closePort <port_number>,tcp,out

<port-number>には、Web サーバ用に割り当てたポート番号を指定します。

以下に“9642”を割り当てていた場合の実行例を示します。

実行例：

```
# esxcfg-firewall --closePort 9642,tcp,in  
# esxcfg-firewall --closePort 9642,tcp,out
```

4. 以下のコマンドを実行し、VMware のサービスを再起動します。
service mgmt-vmware restart
5. 以下の操作でパッケージをアンインストールします。
rpm -e httpd-1.0-1.FJ

付録A

RAS 支援サービス 拡張パッケージは、以下のオープンソース・ソフトウェアを含んでいます。

- Apache

上記のソフトウェアに適用されるライセンスは次のとおりです。

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```
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*
*/

```

For the modules¥mappers¥mod_imap.c component:

"macmartinized" polygon code copyright 1992 by Eric Haines, erich@eye.com

For the server¥util_md5.c component:

```

/*****
* NCSA HTTPd Server
* Software Development Group
* National Center for Supercomputing Applications
* University of Illinois at Urbana-Champaign
* 605 E. Springfield, Champaign, IL 61820
* httpd@ncsa.uiuc.edu
*
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* md5.c: NCSA HTTPd code which uses the md5.c RSA Code
*
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 */

```

For the `src/lib¥apr¥include¥apr_md5.h` component:

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```

*/

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 */

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```

*/

```

```

/*

```

```

* The apr_md5_encode() routine uses much code obtained from the FreeBSD 3.0
* MD5 crypt() function, which is licenced as follows:
* -----
* "THE BEER-WARE LICENSE" (Revision 42):
* <phk@login.dknet.dk> wrote this file.  As long as you retain this notice you
* can do whatever you want with this stuff. If we meet some day, and you think
* this stuff is worth it, you can buy me a beer in return.  Poul-Henning Kamp
* -----
*/

```

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```

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```

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For the `src/lib¥apr-util¥test¥testdbm.c` component:

```

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```

For the srclib¥apr-util¥test¥testmd4.c component:

```

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For the srclib¥apr-util¥xml¥expat¥conftools¥install-sh component:

```

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For the pcre component:

PCRE LICENCE

PCRE is a library of functions to support regular expressions whose syntax
and semantics are as close as possible to those of the Perl 5 language.

Written by: Philip Hazel <ph10@cam.ac.uk>

University of Cambridge Computing Service,
Cambridge, England. Phone: +44 1223 334714.

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End PCRE LICENCE

For the test¥zb.c component:

/* ZeusBench V1.01

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Written by Adam Twiss (adam@zeus.co.uk). March 1996

Thanks to the following people for their input:

Mike Belshe (mbelshe@netscape.com)

Michael Campanella (campanella@stevms.enet.dec.com)

*/

For the expat xml parser component:

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