- Unable to sync user data at this time. An attempt will be made at next login
- A translation for your language preference does not exist.

Can an LSB-compliant script be used as a resource in Pacemaker clusters?

SOLUTION VÉRIFIÉ - Mis à jour 4 Août 2020 à 11h26 - English

Environnement

- Red Hat Enterprise Linux 6, 7, 8 with High Availability or Resilient Storage Add-On
- Pacemaker cluster

Question

- Can an LSB-compliant script be used as a resource in RHEL 6, 7, and 8 `pacemaker` clusters?
- How can an LSB-compliant script be added as a resource to Pacemaker?

Résolution

Yes, `pacemaker` supports using LSB-compliant scripts natively that are shipped with Red Hat or 3rd party scripts. Appendix E. Init Script LSB Compliance

- Refer to Support policies - General Policies for Cluster Managed Resources and Applications for important information on Red Hat's support for resources and applications.
- For more information on Red Hat support of `lsb` scripts see the article: What are the requirements of a "script" resource in Red Hat Enterprise Linux Clusters?

Adding custom LSB resource to pacemaker cluster

1. Ensure that script is LSB-compliant.

2. Copy/link the script under `/etc/init.d` . It is strongly recommended that script is copied to this location so it is always available.

```
# cp /root/custom /etc/init.d/custom
```

3. Check that script can be seen by pacemaker using command below.

```
# pcs resource list lsb ... lsb:custom ...
```

4. Add the script as cluster resource.

```
# pcs resource create custom_lsb lsb:custom
```

5. Check the configuration of the resource and if needed adjust the timeouts for the script start/stop/monitoring action.

```
# pcs resource show custom_lsb Resource: custom_lsb (class=lsb type=custom)
Operations: monitor interval=15 timeout=15 (custom_lsb-monitor-interval-15) start
interval=0s timeout=15 (custom_lsb-start-interval-0s) stop interval=0s timeout=15
(custom_lsb-stop-interval-0s)
```

Produit(s) Red Hat Enterprise Linux **Composant** cluster **Catégorie** Configure

Balises cluster ha high availability clusters ha pacemaker rhel_6 rhel_7 rhel_8

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"No metadata for lsb::(null):mysql" received while starting the LSB script resources

Solution - 4 sept. 2017

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Pacemaker Cluster ?

Solution - 5 nov. 2018

After detecting a resource failure, pacemaker restarts the resource on same node instead of relocating it to another node

Solution - 9 oct. 2015

6 Commentaires

COMMUNITY MEMBER

24 Points

16 September 2015 1:26 PM

Everett Bennett Jr

The RHCE 5/6 CMAN RGMANAGER had the ability to specify paths to scripts, etc. This functionality is missing from the RHCE 7 Pacemaker solution. To not have a generic 'Application' agent is not a good idea. However, I've noticed that in Fedora Core 21 and later there is an OCF Heartbeat Anything resource that looks like it might make a good generic 'Application' agent. Who knows, one might be able to use the scripts generated in RHCE CMAN/RGMANAGER configuration with minor adjustments.

fc21a/root> rpm -qf /usr/lib/ocf/resource.d/heartbeat/anything
resource-agents-3.9.6-2.fc21.x86_64

fc21a/root> man -k anything
ocf_heartbeat_anything (7) - Manages an arbitrary service
TAP::Parser::Grammar (3pm) - A grammar for the Test Anything Protocol.

Répondre

RED HAT

GURU

1311 Points

14 June 2021 6:32 PM

Reid Wahl

Full paths to scripts can be specified in `lsb`-class resources. For example:

```
# pcs resource create my_script lsb:/path/to/my/script
```

I'm not sure whether this was possible when you posted your comment.

Répondre

ACTIVE CONTRIBUTOR

132 Points

30 September 2021 11:41 AM

NEELIMA -PHILLIPS

But, still separate script needs to be created for each and every application. If common script with 'file' parameter, as present at cman/rgmanager based Clusters, is available in 'pacemaker' Cluster, it's not necessary to re-generate the same script just for every application.

Is there any URL available to know the reasons for dropping out of this 'script' resource at pacemaker cluster?

A user may create the script based on ocf:heartbeat:Dummy !

Répondre

RED HAT

GURU

1311 Points

14 June 2021 6:33 PM

Reid Wahl

By the way, a decision was made not to ship `ocf:heartbeat:anything` : https://bugzilla.redhat.com/show_bug.cgi?id=1340638#c2

Répondre

COMMUNITY MEMBER

95 Points

14 June 2021 4:14 PM

Fabrizio Pedranzini

How to prevent then the custom lsb script (or in general a resource configured as systemd or lsb unit) to be started outside of pacemaker, such as systemctl start custom or systemctl start httpd (if you configure a systemd resource based on httpd systemd unit file) ?

Répondre

RED HAT

NEWBIE

14 June 2021 4:18 PM

Bradley Frank

Make sure it is disabled in systemd:

10 Points

```
# systemctl disable custom # systemctl disable httpd
```

Répondre