

**NAME**

`cs_precheck_for_hana` – check pre-requisites for SAP HANA System Replication and automation with SLE-HA cluster

**SYNOPSIS**

`cs_precheck_for_hana` [*OPTION*]

**DESCRIPTION**

`cs_precheck_for_hana` checks if a Linux system is prepared for running SAP HANA in general. It also checks pre-requisites for SAP HANA System Replication automation with a SLE-HA cluster. The check is done according to the concept described in the setup guide *SAP HANA System Replication on SLES for SAP Applications*.

All nodes of a cluster should be checked. The output of `cs_precheck_for_hana` could be re-directed into a file. Output files from different hosts might be compared to ensure all nodes of a cluster are set up identically. This is helpful particularly in scale-out scenarios.

**OPTIONS**

Global options are:

<b>--help</b>	show help information.
<b>--version</b>	show version.
<b>--writecfg</b>	show some internal variables.
<b>--base</b>	show basic OS configuration, related to SAP HANA and its System Replication.
<b>--apps</b>	show basic HANA application configuration, and more specific related OS settings.

**EXIT STATUS**

- 0** Successful program execution.
- >0** Usage, syntax or execution errors.

**EXAMPLES**

- \* Show help.  
# `cs_precheck_for_hana -h`
- \* Check for basic OS pre-requisites needed to install SAP HANA. Items needed to set up automation for System Replication are also checked.  
# `cs_precheck_for_hana -b`
- \* Find differences between nodep and nodeq.  
# `cs_precheck_for_hana -b >nodeq.precheck.txt 2>/dev/null`  
# `ssh root@nodep "cs_precheck_for_hana -b 2>/dev/null" >nodep.precheck.txt`  
# `diff --suppress-common-lines nodeq.precheck.txt nodep.precheck.txt`
- \* Include findings of `cs_precheck_for_hana` with supportconfig file.  
# `sed -i s/#precheck_for_hana/precheck_for_hana/ /etc/ClusterTools2/supportconfig_plugins`  
# `supportconfig`

**FILES**

- `/usr/sbin/cs_precheck_for_hana`  
the program itself.
- `/etc/ClusterTools2/cs_precheck_for_hana`, `/etc/ClusterTools2/cs_show_supportconfig`  
the configuration files.

## BUGS

Formatting and content of this script's output will change, since this script is under development. Checks specific to the HANA application are currently not implemented. Feedback is welcome, please use the project page at

<https://build.opensuse.org/package/show?package=ClusterTools2&project=home%3Afmherschel>

## SEE ALSO

**hb\_report(8)**, **supportconfig(8)**, **sapconf(8)**, **tuned(8)**, **sysctl(8)**, **cs\_sum\_hana\_config(8)**, **cs\_sum\_base\_config(8)**, **cs\_show\_error\_patterns(8)**, **cs\_show\_memory(8)**, **cs\_show\_supportconfig(8)**, **cs\_show\_initrd(8)**, **ClusterTools2(7)**, **SAPHanaSR(7)**, **SAPHanaSR-ScaleOut(7)**,

<http://saphanawiki.com/2015/09/2000003-faq-sap-hana/> ,

<https://www.suse.com/promo/saphana-replication.html> ,

<https://www.suse.com/products/sles-for-sap/resource-library/sap-best-practices.html> ,

[https://www.suse.com/docrep/documents/crfn7g3wji/sap\\_hana\\_sr\\_cost\\_optimized\\_scenario\\_12\\_sp1.pdf](https://www.suse.com/docrep/documents/crfn7g3wji/sap_hana_sr_cost_optimized_scenario_12_sp1.pdf)

<https://www.susecon.com/doc/2015/sessions/TUT19921.pdf> ,

[http://help.sap.com/hana/sap\\_hana\\_technical\\_operations\\_manual\\_en.pdf](http://help.sap.com/hana/sap_hana_technical_operations_manual_en.pdf) ,

[http://help.sap.com/hana\\_platform](http://help.sap.com/hana_platform) ,

[http://help.sap.com/hana/SAP\\_HANA\\_Installation\\_Guide\\_en.pdf](http://help.sap.com/hana/SAP_HANA_Installation_Guide_en.pdf) ,

[http://help.sap.com/hana/SAP\\_HANA\\_Master\\_Guide\\_en.pdf](http://help.sap.com/hana/SAP_HANA_Master_Guide_en.pdf) ,

<https://websmp108.sap-ag.de/~sapidb/011000358700000050632013E> ,

<http://scn.sap.com/docs/DOC-60334> ,

<http://scn.sap.com/docs/DOC-65899> ,

<http://scn.sap.com/docs/DOC-59920> ,

<http://scn.sap.com/docs/DOC-61091> ,

<http://scn.sap.com/docs/DOC-52522> ,

<http://scn.sap.com/docs/DOC-63221> ,

<http://scn.sap.com/docs/DOC-56044> ,

<http://scn.sap.com/docs/DOC-47702> ,

<http://wiki.scn.sap.com/wiki/display/ITP/List+of+IT+Planning+Documents> ,

<http://service.sap.com/quicksizer> ,

<http://scn.sap.com/community/hana-in-memory/blog/2013/01/17/sap-hana-sizing> ,

<http://global.sap.com/community/ebook/2014-09-02-hana-hardware/enEN/index.html> ,

<http://saphanatutorial.com/sap-hana-sizing/> ,

<https://support.wdf.sap.corp/sap/support/message/002007974700000929222015> ,

<https://www.suse.com/support/kb/doc.php?id=7016707> ,

Some relevant SAP Notes are (list not complete): 0045827, 0061136, 0153641, 0171356, 0618104, 0784391, 0962334, 0989963, 1056161, 1100926, 1102124, 1122387, 1262987, 1275776, 1310037, 1382721, 1391070, 1437105, 1492000, 1501701, 1514966, 1514967, 1522993, 1523337, 1557506, 1597355, 1599888, 1606643, 1629558, 1635304, 1637145, 1647204, 1681092, 1681360, 1698281, 1730928, 1730999, 1731000, 1736976, 1758890, 1774566, 1788665, 1793345, 1813548, 1824788, 1824819, 1846872, 1872170, 1876398, 1888072, 1890444, 1900823, 1903576, 1943937, 1944415, 1944799, 1950470, 1953429, 1954788, 1984787, 1995460, 1999880, 1999993, 1999997, 2000003, 2001528, 2024433, 2031375, 2043509, 2055470, 2081065, 2086829, 2100566, 2123714, 2130682, 2131662, 2133369, 2157587, 2161344, 2165547, 2187639, 2188482, 2205917, 2218464, 2222200, 2227464, 2235581, 2246163, 2284516, 2299260, 2382421

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