NAME
>   ClusterTools2 – Tools for setting up and managing pacemaker HA clusters

DESCRIPTION
>   The **ClusterTools2** package provides tools for setting up and managing pacemaker HA clusters. The tools
>   are aimed to make tasks easy around the pacemaker HA cluster manager and the Linux storage stack.
>
>   Main command for managing a running cluster is **ClusterService**. This ASCII-terminal based menu system
>   allows to perform common administrative tasks. It can be used instead of crm_gui or Hawk if no webser-
>   vice and no X desktop is available.
>
>   Tools like **cs_list_failcounts** and **cs_show_cluster_transistion** help to analyse the cluster behaviour. A set
>   of tools based on **wow** allows to make configuration of clusters reproduceable and efficiant.
>
>   Currently the tools are mainly used to setup and manage high-availability cluster for following workloads:
>
>   - SAP application servers, SAP central instances, SAP database servers
>
>   - SAP HANA System Replication automation
>
>   - XEN virtual machine hosts
>
>   - Novell eDirectory servers
>
>   - NFS file servers
>
>   - Apache web servers, LAMP servers
>
>   - MySQL, PostgreSQL, DB2, Oracle database servers

EXAMPLES
>   # wow cc --config edir01.wow 01-A-07-group_add_ndsd
>   add configuration for a resource of type Novell eDirectory to the cluster. Use configuration agent
>   01-A-07-group_add_ndsd. Read information about the resource from file edir01.wow .
>
>   # cs_precheck_for_sap --all sap_C11.wow >precheck-sap_C11-$HOST
>   check for allmost all pre-requistes that are needed to set up an HA cluster for SAP instance C11.
>   Read information about the needed resources from file sap_C11.wow . Write output into file
>   precheck-sap_C11-<hostname>.
>
>   # ClusterService
>   start ASCII-terminal based menu to perform administrative tasks on a running cluster.
>
>   # cs_sum_base_config >$HOST.cs_sum_base_config.txt
>   write checksums for common base config files of an node to a file. This is useful in a cluster, to
>   check if the basic configuration is really identical on both nodes.
>
>   # cs_list_clone_files --md5sum
>   look for files that should not be identical, after a VM image was cloned.

FILES
>   /etc/ClusterTools2/
>   configuration files.
>
>   /usr/lib/ClusterTools2/
>   ClusterTools2 components in general.
>
>   /usr/lib/ClusterTools2/agents/
>   wow configuration agents for pacemaker.

/usr/lib/ClusterTools2/scripts/
              wow configuration scripts for pacemaker.

/usr/share/ClusterTools2/*.rsc
              menue engine resource files.

/usr/share/ClusterTools2/cli/
              wow configuration templates for pacemaker.

/usr/share/ClusterTools2/samples/
              samples of config files and scripts.

BUGS

Tools in ClusterTools2 version 3 are tested with SLE-HA 12, SLES 12, and SLES-for-SAP 12 only. Some people pronounce the package's name "ClumsyTools". Feedback is welcome, please use the project page at https://build.opensuse.org/package/show?package=ClusterTools2&project=home%3Afmherschel

SEE ALSO

ClusterTools2(7),   **wow**(8),   **cs_precheck_for_sap**(8),   **ClusterService**(8),   **cs_sum_base_config**(8), **cs_list_failcounts**(8),   **cs_show_cluster_transition**(8),   **cs_clusterstate**(8),   **cs_reset_failcounts**(8), **cs_show_scores**(8), **cs_delcib**(8), **cs_show_error_patterns**(8), **cs_show_supportconfig**(8), **menueng2**(8), **menueng2**(5), **ha_related_suse_tids**(7), **ha_related_acronyms**(7), **rear**(8), **omping**(8), https://www.suse.com/products/highavailability/ , https://www.suse.com/releasenotes/x86_64/SLE-HA/11-SP4/   , https://www.suse.com/releasenotes/x86_64/SLE-HA/12-SP1/ https://www.suse.com/documentation/sle_ha/ , https://www.suse.com/promo/sap/high-availability.html , https://www.suse.com/support/kb/doc.php?id=7007613 , http://clusterlabs.org/wiki/Main_Page

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