acontis technologies GmbH

SOFTWARE

Hypervisor Major Changes

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Version 8.x

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1 Major changes in release 8.1

This document describes the major changes of version 8.1.

2 Hypervisor Commands

2.1 File location

- the `inithv.sh` shell script for the first time RTOSVisor installation has moved from `/hv/config` to `/hv/bin`
- all shell scripts located in `/hv/config` except the hardware partitioning scripts have been moved from `/hv/config` to `/hv/bin`
- the initial configuration files are located in `/hv/templates/config` and copied to `/hv/config` at the first time initialization done by `/hv/bin/inithv.sh`

2.2 Basic Commands

- most RTOSVisor shell scripts are available via a `hv_XXXX` *alias* command and can be executed at **any** location. For example the `/hv/bin/adjmemconfig.sh` shell script is available at any location using the `hv_adjmemconfig` command
- device assignment is done using the commands `hv_addeth` or `hv_addpcidev`
- guests are started or stopped in the following way:
  1. change the working folder to the guest (e.g. `cd /hv/guests/examples/rt-linux`)
  2. call `hv_guest_start` to start the guest
  3. call `hv_guest_restart` to restart the guest without reloading the Hypervisor configuration (only supported for RTOS guests)
  4. call `hv_guest_console` to show the guest console
  5. call `hv_guest_stop` to shutdown the guest

3 Guests

All guests are stored in `/hv/guests`.

The following example guest configurations are provided:

- the Windows example guest configuration has been moved from `/hv/VMs/vm1` to `/hv/guests/examples/windows`
- a new Ubuntu example guest configuration is located in `/hv/guests/examples/ubuntu`
- the RT-Linux example guest has been moved from `/hv/lx` to `/hv/guests/examples/rt-linux`
- the VxWorks example guest has been moved from `/hv/vx` to `/hv/guests/examples/vxworks`
- the RTOS-32 example guest has been moved from `/hv/rtos-32` to `/hv/guests/examples/rtos-32`

3.1 file server

The file server will **expose** the folder `/hv/guests` as the root folder for **all** guests.

4 Partitioning

Devices to be used by the RTOS have to be put into `/hv/config/usr_hvpart.sh` instead of `/hv/hvpart.sh`.