

NAME

xend - xVM control daemon

SYNOPSIS

/usr/lib/xend

DESCRIPTION

The xend daemon provides control of the Solaris xVM domains on a system. Its administrative interface is xm(1M).

Service Management Facility Support

The xend service is managed by the service management facility, smf(5), under the service identifier:

```
svc:/system/xvm/xend:default
```

Administrative actions on this service, such as enabling, disabling, or requesting restart, can be performed using svcadm(1M). The service's status can be queried using the svcs(1) command.

xend Properties

The xend service instance has the properties listed below. These properties are administered by means of svccfg(1M) and svcadm(1M).

config/default-nic

Specifies the default network interface used for guest domain networking. By default, the empty string is specified, in which case the first non-legacy interface listed in the output of dladm(1M) show-link is used. If you need to use a different interface, for example, bge0, you should change this property appropriately.

config/dom0-cpus

The number of physical CPUs to be used for the virtual CPUs of the control domain (dom0). The default of 0 implies that each virtual CPU will be placed on its own physical CPU where possible. Note that physical CPUs can still be shared between dom0 and other domains unless they are configured not to do so.

config/dom0-min-mem

The minimum amount of memory guaranteed to the control domain (dom0). The default is 196 (MB).

config/enable-dump

Controls whether a domain core dump should be created if a domain crashes. Dumps are generated in /var/xen/dump and can be processed with mdb(1). The default is true.

config/xend-relocation-address

Address which xend listens on for relocation requests. If blank or not present, all interfaces are used. The default is 127.0.0.1.

config/xend-relocation-hosts-allow

A space-separated list of regular expressions. If the host name of a system matches any one of the given regular expressions, it is allowed to connect and interact with the relocation server, if the server has been enabled by the xend-relocation-server property. The default is ^localhost\$.

config/xend-relocation-server

Controls whether the xend relocation server (for live migration) should listen for relocation requests on TCP port 8002. The default is true.

config/xend-unix-server

Controls whether the legacy HTTP server interface should be provided on the local machine. The default is true.

EXAMPLES

Example 1 Modifying an Existing Property

Use the following sequence of commands to modify an existing xend property.

```
# svccfg -s svc:/system/xvm/xend:default listprop
# svccfg -s svc:/system/xvm/xend:default setprop config/dom0-cpus = 1
# svcadm refresh svc:/system/xvm/xend:default
```

Example 2 Enabling Live Migration

By default, xend listens only on the loopback address for requests from the localhost. If you want to allow other machines to live migrate to the local machine, you need to

configure xend appropriately. For example:

```
# svccfg -s svc:system/xvm/xend
svc:/system/xvm/xend> setprop config/xend-relocation-address = ""
svc:/system/xvm/xend> setprop config/xend-relocation-hosts-allow = \
"^flax$ ^localhost$"
svc:/system/xvm/xend> end
# svcadm refresh svc:system/xvm/xend:default && \
svcadm restart svc:system/xvm/xend:default
```

FILES

/var/log/xen/xend.log
/var/log/xen/xend-debug.log

Log files for xend.

/var/xen/dump/

Domain crash dump files.

ATTRIBUTES

See attributes(5) for descriptions of the following attributes:

ATTRIBUTE TYPE	ATTRIBUTE VALUE
Availability	SUNWxvmu
Interface Stability	Volatile

SEE ALSO

mdb(1), dladm(1M), svcadm(1M), svccfg(1M), svcs(1), xm(1M),
attributes(5), smf(5), xVM(5)