NAME

pmadm – port monitor administration

SYNOPSIS

pmadm –a [–p *pmtag* **| –t** *type***] –s** *svctag* **–i** *id* **–m** *pmspecific* **–v** *ver* **[–f xu]**
[–y *comment***] [–z** *script***]**
pmadm –r –p *pmtag* **–s** *svctag*
pmadm –e –p *pmtag* **–s** *svctag*
pmadm –d –p *pmtag* **–s** *svctag*
pmadm –l [–t *type* **| –p** *pmtag***] [–s** *svctag***]**
pmadm –L [–t *type* **| –p** *pmtag***] [–s** *svctag***]**
pmadm –g –p *pmtag* **–s** *svctag* **[–z** *script***]**
pmadm –g –s *svctag* **–t** *type* **–z** *script*

AVAILABILITY

SUNWcsu

DESCRIPTION

pmadm is the administrative command for the lower level of the Service Access Facility hierarchy, that is, for service administration. A port may have only one service associated with it although the same service may be available through more than one port. In order to uniquely identify an instance of a service, the **pmadm** command must identify both the port monitor or port monitors through which the service is available (**–p** or **–t**) and the service (**–s**). See the option descriptions below.

pmadm performs the following functions:

- add or remove a service
- enable or disable a service
- install or replace a per-service configuration script
- print requested service information

Any user on the system may invoke **pmadm** to request service status (**–l** or **–L**) or to print per-service configuration scripts (**–g** without the **–z** option). **pmadm** with other options may be executed only by a privileged user.

OPTIONS

–a Add a service. **pmadm** adds an entry for the new service to the port monitor's administrative file. Because of the complexity of the options and arguments that follow the **–a** option, it may be convenient to use a command script or the menu system to add services.

–d Disable a service. Add **x** to the flag field in the entry for the service *svctag* in the port monitor's administrative file. This is the entry used by port monitor *pmtag*. See the **–f** option, below, for a description of the flags available.

–e Enable a service. Remove **x** from the flag field in the entry for the service *svctag* in the port monitor administrative file. This is the entry used by port monitor *pmtag*. See the **–f** option, below, for a description of the flags available.

–f xu The **–f** option specifies one or both of the following two flags which are then included in the flag field of the entry for the new service in the port monitor's administrative file. If the **–f** option is not included, no flags are set and the default conditions prevail. By default, a new service is enabled and no **utmp** entry is created for it. A **–f** option without a following argument is illegal.

- **x** Do not enable the service *svctag* available through port monitor *pmtag*.
- **u** Create a **utmp** entry for service *svctag* available through port monitor *pmtag*.

–g Print, install, or replace a per-service configuration script. The **–g** option with a **–p** option and a **–s** option prints the per-service configuration script for service *svctag* available through port monitor *pmtag*. The **–g** option with a **–p** option, a **–s** option, and a **–z** option installs the per-service configuration script contained in the file *script* as the per-service configuration script for service *svctag* available through port monitor *pmtag*. The **–g** option with a **–s** option, a **–t** option, and a **–z** option installs the file *script* as the per-service configuration script for service *svctag* available through any port monitor of type *type*. Other combinations of options with **–g** are invalid.

–i *id* *id* is the identity that is to be assigned to service *svctag* when it is started. *id* must be an entry in **/etc/passwd**.

–l The **–l** option requests service information. Used by itself and with the options described below it provides a filter for extracting information in several different groupings.

- **–l** By itself, the **–l** option lists all services on the system.
- **–l –p** *pmtag* Lists all services available through port monitor *pmtag*.
- **–l –s** *svctag* Lists all services with tag *svctag*.
- **–l –p** *pmtag* **–s***svctag* Lists service *svctag*.
- **–l –t** *type* Lists all services available through port monitors of type *type*.
- **–l –t** *type* **–s***svctag* Lists all services with tag *svctag* available through a port monitor of type *type*.

Other combinations of options with **–l** are invalid.

–L The **–L** option is identical to the **–l** option except that output is printed in a condensed format.

–m *pmspecific*
pmspecific is the port monitor-specific portion of the port monitor administrative file entry for the service.

−p *pmtag* Specifies the tag associated with the port monitor through which a service (specified as **−s** *svctag*) is available.

−r Remove a service. When **pmadm** removes a service, the entry for the service is removed from the port monitor's administrative file.

−s *svctag* Specifies the service tag associated with a given service. The service tag is assigned by the system administrator and is part of the entry for the service in the port monitor's administrative file.

−t *type* Specifies the the port monitor type.

−v *ver* Specifies the version number of the port monitor administrative file. The version number may be given as

> **−v** ´*pmspec* **−V**`

where *pmspec* is the special administrative command for port monitor *pmtag*. This special command is **ttyadm** for **ttymon** and **nlsadmin** for **listen**. The version stamp of the port monitor is known by the command and is returned when *pmspec* is invoked with a **−V** option.

−y *comment*
Associate *comment* with the service entry in the port monitor administrative file.

−z *script* Used with the **−g** option to specify the name of the file that contains the per-service configuration script. Modifying a configuration script is a three-step procedure. First a copy of the existing script is made (**−g** alone). Then the copy is edited. Finally, the copy is put in place over the existing script (**−g** with **−z**).

Options that request information write the requested information to the standard output. A request for information using the **−l** option prints column headers and aligns the information under the appropriate headings. In this format, a missing field is indicated by a hyphen. A request for information in the condensed format using the **−L** option prints the information in colon-separated fields; missing fields are indicated by two successive colons. **#** is the comment character.

EXAMPLES

Add a service to a port monitor with tag **pmtag**. Give the service the tag **svctag**. Port monitor-specific information is generated by **specpm**. The service defined by **svctag** will be invoked with identity **root**.

pmadm −a −p pmtag −s svctag −i root −m `specpm −a arg1 −b arg2`
−v `specpm −V`

Add a service with service tag **svctag**, identity **guest**, and port monitor-specific information generated by **specpm** to all port monitors of type **type**:

pmadm −a −s svctag −i guest −t type −m `specpm −a arg1 −b arg2`
−v `specpm −V`

Remove the service **svctag** from port monitor **pmtag**:

pmadm −r −p pmtag −s svctag

Enable the service **svctag** available through port monitor **pmtag**:

pmadm −e −p pmtag −s svctag

Disable the service **svctag** available through port monitor **pmtag**:

pmadm −d −p pmtag −s svctag

List status information for all services:

pmadm −l

List status information for all services available through the port monitor with tag **ports**:

pmadm −l −p ports

List the same information in condensed format:

pmadm −L −p ports

List status information for all services available through port monitors of type **listen**:

pmadm −l −t listen

Print the per-service configuration script associated with the service **svctag** available through port monitor **pmtag**:

pmadm −g −p pmtag −s svctag

EXIT CODES

If successful, **pmadm** will exit with a status of **0**. If it fails for any reason, it will exit with a non-zero status.

FILES

/etc/saf/*pmtag***/_config**
/etc/saf/*pmtag***/***svctag*
/var/saf/*pmtag***/***

SEE ALSO

sac(1M), **sacadm**(1M), **doconfig**(3N)