

**Sun Virtual Desktop Infrastructure**  
Man Pages for Version 3.1

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**ORACLE**

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# Man Pages (All Topics)

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## Man Pages (All Topics)

### Man Page (vda-install)

The `vda-install` command (`/opt/SUNWvda/sbin/vda-install`) is used for installation and un-installation of the VDI Core. To view the following man page, run:

```
% man -M /opt/SUNWvda/man vda-install
```

### Man Page Output

Sun Virtual Desktop Infrastructure Commands      vda-install(1M)

**NAME**

vda-install - Sun Virtual Desktop Infrastructure installation tool

**SYNOPSIS**

/opt/SUNWvda/sbin/vda-install [-u] [-h]

**DESCRIPTION**

The vda-install command line tool will be used to install or uninstall Sun Virtual Desktop Infrastructure. If no OPTIONS are specified, the command will perform a full installation of the Sun Virtual Desktop Infrastructure.

**OPTIONS**

-u    Uninstalls Sun Virtual Desktop Infrastructure.  
 -h    Prints a usage message for this command.

**EXIT STATUS**

The following exit values are returned:

0    Success  
 1    Failure

**ATTRIBUTES**

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

Attribute Type	Attribute Value
Availability	vda-install
Interface Stability	Uncommitted

**SEE ALSO**

vda-config(1M)

## Man Page (vda-config)

The vda-config command (/opt/SUNWvda/sbin/vda-config) is used for configuration and un-configuration of the VDI Core. To view the following man page, run:

```
% man -M /opt/SUNWvda/man vda-config
```

## Man Page Output

```

Sun Virtual Desktop Infrastructure Commands          vda-config(1M)

NAME
    vda-config - Sun Virtual Desktop Infrastructure configura-
    tion tool

SYNOPSIS
    /opt/SUNWvda/sbin/vda-config [-u] [-w] [-h]

DESCRIPTION
    The vda-config command line tool will be used to configure
    or unconfigure the Sun Virtual Desktop Infrastructure. If
    no OPTIONS are specified, the command will configure the Sun
    Virtual Desktop Infrastructure.

OPTIONS
    -u    Unconfigure Sun Virtual Desktop Infrastructure.

    -w    Configures only the web administration user interface
    of the Sun Virtual Desktop Infrastructure.

    -h    Prints a usage message for this command.

EXIT STATUS
    The following exit values are returned:

    0    Success

    1    Failure

ATTRIBUTES
    See attributes(5) for descriptions of the following attri-
    butes:



| Attribute Type      | Attribute Value |
|---------------------|-----------------|
| Availability        | SUNWvda-service |
| Interface Stability | Uncommitted     |



SEE ALSO

```

## Man Page (vda)

The `vda` command (`/opt/SUNWvda/sbin/vda`) is used for administration tasks. Nearly all administration tasks that are performed in the VDI Manager can also be performed using the `vda` command with the [subcommands](#) that are listed below.

To view the following man page, run:

```
% man -M /opt/SUNWvda/man vda
```

## Man Page Output

```

Sun VDI 3.1                                          vda(1M)

NAME
    vda - administer Sun Virtual Desktop Infrastructure

SYNOPSIS

```

```
/opt/SUNWvda/sbin/vda [-? | --help]
```

```
/opt/SUNWvda/sbin/vda [-V | --version]
```

```
/opt/SUNWvda/sbin/vda <subcommand> [-? | --help]
```

```
/opt/SUNWvda/sbin/vda <subcommand> [options] [operands]
```

#### DESCRIPTION

The vda command may be used to administer Sun Virtual Desktop Infrastructure. Support is included for common administration tasks such as the creation and management of desktop providers and pools of desktops, the assignment of desktops to users and groups, and monitoring the state of the virtualization platform.

In all cases, vda executes an action on a Sun Virtual Desktop Infrastructure system object. Examples of such objects are user, group, pool, desktop etc. The action to be executed is identified by a subcommand where the subcommand name is composed of the relevant object type and the name of the action to be performed, separated by a hyphen (-).

```
/opt/SUNWvda/sbin/vda [-? | --help]
```

This command lists all the subcommands.

```
/opt/SUNWvda/sbin/vda [-V | --version]
```

This command displays the version information.

```
/opt/SUNWvda/sbin/vda <object>
```

This command lists the subcommands that apply to the specified object type.

```
/opt/SUNWvda/sbin/vda <subcommand> [-? | --help]
```

This command displays the detailed usage of the subcommand.

```
/opt/SUNWvda/sbin/vda <subcommand> [options] [operands]
```

This command executes the action specified by the subcommand, options and operands. Options and operands depend on each subcommand, the detailed description of options and operands for a subcommand can be obtained by `/opt/SUNWvda/sbin/vda <subcommand> [-? | --help]`.

#### Objects

user	Users and groups from the user directory
group	Local groups of users that are not pre-defined in the user directory
directory	Active Directory or LDAP server where user information is stored
token	Smart cards identifiers for users in a Sun Ray environment

pool	Collection of desktops
desktop	Desktops managed by Sun VDI
provider	Desktop providers that encapsulate the details of the underlying virtualization technology
job	Action executed in the background
settings	Global settings that apply to the Sun VDI system

#### Generic Actions

list	Lists all the objects
show	Shows the detailed properties/status of an object
setprops	Sets the properties of an object
getprops	Gets the properties of an object
add	Adds an object
create	Creates an object
remove	Removes an object
delete	Deletes an object

#### Example of Subcommands

user-show	Shows the desktops available for a user
group-create	Creates a new local group with the specified properties
token-setprops	Edits the properties of the token
pool-list	Lists all pools
desktop-delete	Deletes the desktops
provider-vc-create	Creates a new VMware vCenter desktop provider
provider-disable-host	Disables the hosts for the Virtual-Box desktop provider. Disabled hosts are not used for automated cloning.

Refer to <http://wikis.sun.com/display/VDI3/Home> for a complete list of available subcommands and their usage.

## OPTIONS

The following options are supported:

`-x, --parseable`  
 the `-x` option displays information in a parseable format, as a list of lines of colon ':' separated fields. The `-x` option is available for the `list`, `show`, `search`, `desktops` subcommands.

## EXIT STATUS

Exit Code	Status
0	Successful completion
1	An error occurred
2	Invalid command line options or arguments were specified

## EXAMPLES

Example 1 Creating a Desktop Provider

The following example creates a VMware vCenter desktop provider:

```
example% /opt/SUNWvda/sbin/vda provider-vc-create -p
name="VC provider",host=my.vc.com,username=Administrator
```

The following example creates a VirtualBox desktop provider with two hosts and one storage:

```
example% /opt/SUNWvda/sbin/vda provider-vb-create -p
name="VB provider"
```

```
example% /opt/SUNWvda/sbin/vda provider-add-host -p
host=my.first.vb.com,port=443,username=root "VB provider"
```

```
example% /opt/SUNWvda/sbin/vda provider-add-host -p
host=my.second.vb.com,port=443,username=root "VB provider"
```

```
example% /opt/SUNWvda/sbin/vda provider-add-storage -p
host=my.zfs.com,username=root,zfspool=vda_zfspool "VB provider"
```

Example 2 Creating a Pool

The following example creates a pool for storing VirtualBox templates:

```
example% /opt/SUNWvda/sbin/vda pool-create -p
name="Templates",provider="VB provider",assignment-
```

```
type=personal
```

```
example% /opt/SUNWvda/sbin/vda pool-vb-import -p vdi-
image=template.vdi,xml-configuration=golden-master.xml Tem-
plates
```

The following example creates a pool for cloning 30 desktops from VMware vCenter. First list the templates from the vCenter, and select one of them:

```
example% /opt/SUNWvda/sbin/vda provider-list-templates "VC
provider"
```

NAME	ID	PATH
XP-Template	vm-134	[Datacenters, ADatacenter, vm]
XPClone	vm-629	[Datacenters, ADatacenter, vm]

```
example% /opt/SUNWvda/sbin/vda pool-create -p name="VC
pool",provider="VC provider",template=vm-134,preferred-
size=30,free-size=5,max-size=35,power-state=on,assignment-
type=flexible,recycle-policy=reuse,idle-timeout=2
```

```
example% /opt/SUNWvda/sbin/vda pool-start "VC pool"
```

### Example 3 Configuring the User Directory

The following example configures a LDAP directory using simple authentication, the default 389 port, a fallback LDAP server, and no restriction on the base DN:

```
example% /opt/SUNWvda/sbin/vda directory-add -p auth-
type=simple,hosts=my.ldap.com;secondary.ldap.com,username="cn=Administrator,ou=people,dc=
The following example configures an Active Directory using
Kerberos authentication:
```

```
example% /opt/SUNWvda/sbin/vda directory-add -p auth-
type=kerberos,addomain=my.company.com,username=Administrator
```

### Example 4 Assigning Pools and Desktops to Users

The following example assigns the user "John Smith" to the pool "VC pool". Once complete, John Smith will be dynamically assigned a desktop from the VC pool each time he logs in.

```
example% /opt/SUNWvda/sbin/vda user-assign -p "VC pool"
"cn=John Smith,ou=people"
```

The following example lists the desktops in the pool "Static pool" and permanently assigns one of them to the user "Mary

O'Leary". Each time Mary O'Leary logs in, she will get the same desktop.

```
example% /opt/SUNWvda/sbin/vda pool-desktops "Static pool"
```

NAME	ID	MACHINE STATE	STATUS	DN
WindowsXP0001	80	Running	Used	cn=John Smith,ou=people
WindowsXP0002	81	Powered Off	Available	-

```
example% /opt/SUNWvda/sbin/vda user-assign -d WindowsXP0002
moleary
```

Example 5 Listing the Desktops and Pools Assigned to a User

The following example lists all the desktop and pools assigned to "Mary O'Leary" in the order they apply to her.

```
example% /opt/SUNWvda/sbin/vda user-show moleary
```

SEE ALSO

vda-db-status (1M), vda-service (1M)

NOTES

Find more information at  
<http://wikis.sun.com/display/VDI3/Home>.

## Subcommand List

This is a list of subcommands of the vda command. To view the following list, run:

```
/opt/SUNWvda/sbin/vda --help
```

```
Sun Virtual Desktop Infrastructure Administration

Usage: vda <subcommand>
  -?, --help:          Print this help list
  -V, --version:       Display the version

User Subcommands:
  user-search:         Search for users/groups in the user directory that
                       match the specified search criteria
  user-show:           Show the desktops available for the user
  user-desktops:       Show the desktops assigned to the user
  user-assign:         Assign users to pools or desktops
  user-unassign:       Unassign users from pools or desktops. If no pool or
                       desktop is specified, all assignments are removed
                       from the users
  user-defaultdesktop: Make the desktop the default desktop for the user
  user-personaldesktop: Make the desktop a personal desktop for the user

Custom Groups Subcommands:
  group-list:          List all custom groups
  group-create:        Create a new local group with the specified
                       properties
  group-delete:        Delete the custom group
  group-getprops:      List the properties of the custom group
  group-setprops:      Edit the properties of the custom group
  group-show:          Show the pools assigned to the custom group
  group-assign:        Assign custom groups to pools
  group-unassign:      Unassign custom groups from pools. If no pool is
                       specified, all assignments are removed from the
                       custom groups

Token Subcommands:
  token-search:        Search for tokens that match the search criteria
  token-create:        Create a new token (smart card id)
  token-remove:        Remove the specified tokens from the system
  token-getprops:      List the properties of the token
  token-setprops:      Edit the properties of the token
  token-unsetprops:    Remove the properties of the token
  token-show:          Show the desktops available for the token
  token-desktops:      Show the desktops assigned to the token
  token-assign:        Assign tokens to pools or desktops
  token-unassign:      Unassign tokens from pools or desktops. If no pool or
                       desktop is specified, all assignments are removed
                       from the tokens

Pool Subcommands:
  pool-list:           List all pools
  pool-create:         Create a new pool with the specified properties
  pool-delete:         Delete the pools and their desktops
  pool-getprops:       List the properties of the pool
  pool-setprops:       Edit the properties of the pool
  pool-resetprops:     Reset the properties of the pool to their default
                       value
  pool-unsetprops:     Unset the properties of the pool
  pool-show:           Show detailed information about the pool
  pool-desktops:       List all desktops from the pool
  pool-templates:      List all templates from the pool
  pool-vb-import:      Import VirtualBox desktops into the pool
  pool-vb-import-unmanaged: Import unmanaged VirtualBox desktops into the pool
  pool-vc-import:      Import VMware vCenter desktops into the pool
  pool-hv-import:      Import Microsoft Hyper-V desktops into the pool
  pool-start:          Start automatic cloning of desktops for the pools
  pool-stop:           Stop automatic cloning of desktops for the pools
  pool-enable:         Enable users to connect to flexible desktops from the
```

```

    pools
pool-disable:      Disable users from connecting to flexible desktops
                   from the pools
pool-create-sysprep: Create a Sysprep file for the pool. Valid only for
                   VirtualBox pools

Desktop Subcommands:
desktop-delete:    Delete the desktops
desktop-show:      Show detailed properties of the desktop
desktop-getprops: List the properties of the desktop
desktop-setprops: Edit the properties of the desktop
desktop-template:  Convert the desktops to templates. Valid for
                   VirtualBox and Hyper-V desktops only
desktop-duplicate: Duplicate the desktop. Valid for VirtualBox and
                   Hyper-V desktops only
desktop-start:     Start the desktops
desktop-stop:      Shutdown the desktops allowing the OS to save all
                   information first
desktop-restart:   Restart the desktops
desktop-suspend:   Suspend the desktops
desktop-logoff:    Logoff user sessions. Valid for Microsoft Remote
                   Desktop Services desktops only
desktop-disconnect: Disconnects user sessions. Valid for Microsoft Remote
                   Desktop Services desktops only
desktop-mount-iso: Mount an ISO image on the virtual machine.
desktop-unmount-iso: Unmount an ISO image from the virtual machine.
desktop-activate:  Activates a defective desktop.
desktop-export:    Exports a desktop.

Template Subcommands:
template-show:     Show detailed properties of the template
template-revisions: List all revisions from the template
template-start:    Start the templates
template-suspend:  Suspend the templates
template-stop:     Shutdown the templates allowing the OS to save all
                   information first
template-restart:  Restart the templates
template-delete:   Delete the template with all its revisions
template-desktop:  Copy the template to a new desktop
template-revert:   Revert the template to the most recent revision.
template-export:   Exports a template to disk
template-create:   Copy the revision to a new template.
template-getprops: List the properties of the template
template-setprops: Edit the properties of the template
template-mount-iso: Mount an ISO image on the virtual machine.
template-unmount-iso: Unmount an ISO image from the virtual machine.

Revision Subcommands:
revision-show:     Show detailed properties of the revision
revision-create:   Create a new revision of a template.
revision-delete:   Create a new revision of a template.
revision-getprops: List the properties of the revision
revision-setprops: Edit the properties of the revision
revision-clone:    Create a cloned desktop from a revision in the
                   revision's pool.
revision-desktop:  Copy the revision to a new desktop
revision-sysprep:  Execute System Preparation for a revision.
revision-export:   Exports a revision to disk

Desktop Provider Subcommands:
provider-list:     List all desktop providers
provider-vb-create: Create a new VirtualBox desktop provider
provider-vc-create: Create a new VMware vCenter desktop provider
provider-hv-create: Create a new Microsoft Hyper-V desktop provider
provider-ts-create: Create a new Microsoft Remote Desktop desktop
                   provider
provider-delete:   Delete the desktop providers
provider-vb-getprops: List the properties of the VirtualBox desktop
                   provider
provider-vb-setprops: Edit the properties of the VirtualBox desktop
                   provider
provider-hv-getprops: List the properties of the Microsoft Hyper-V desktop
                   provider
provider-hv-setprops: Edit the properties of the Microsoft Hyper-V desktop
                   provider
provider-ts-getprops: List the properties of the Microsoft Remote Desktop
                   desktop provider
provider-ts-setprops: Edit the properties of the Microsoft Remote Desktop
                   desktop provider

```

```

provider-vc-getprops: List the properties of the VMware vCenter desktop
                      provider
provider-vc-setprops: Edit the properties of the VMware vCenter desktop
                      provider
provider-show:        Show detailed information about the desktop provider
provider-list-hosts: List all hosts for the VirtualBox, Microsoft Hyper-V
                      or Microsoft Remote Desktop desktop provider
provider-add-host:    Add a host to the VirtualBox, Microsoft Hyper-V or
                      Microsoft Remote Desktop desktop provider
provider-remove-host: Remove the hosts from the VirtualBox, Microsoft
                      Hyper-V or Microsoft Remote Desktop provider
provider-enable-host: Enable the hosts for the VirtualBox or Hyper-V
                      desktop provider. Enabled hosts are used for
                      automated cloning
provider-disable-host: Disable the hosts for the VirtualBox or Hyper-V
                      desktop provider. Disabled hosts are not used for
                      automated cloning
provider-migrate-host: Migrates desktops off the specified host. Valid only
                      for the VirtualBox
provider-host-getprops: Lists the properties of the specified Host of a
                      Desktop Provider. Valid for VirtualBox and Hyper-V
provider-host-setprops: Update the properties of the specified Host of a
                      Desktop Provider. Valid for VirtualBox and Hyper-V
provider-list-storage: List all storages for the desktop provider
provider-add-storage:  Add a storage to a VirtualBox or Hyper-V desktop
                      provider
provider-remove-storage: Remove the storage from a VirtualBox or Hyper-V
                      desktop provider
provider-enable-storage: Enables the specified storage. Valid only for a
                      VirtualBox or Hyper-V desktop provider
provider-disable-storage: Disables the specified storage. Valid only for a
                      VirtualBox or Hyper-V desktop provider
provider-suspend-storage: Suspends the specified storage. Valid only for a
                      VirtualBox or Hyper-V desktop provider
provider-replace-storage: Replace a storage. Valid only for a VirtualBox or
                      Hyper-V desktop provider
provider-storage-getprops: Lists the properties of the specified storage of a
                      Desktop Provider. Valid for VirtualBox and Hyper-V
provider-storage-setprops: Update the properties of the specified Storage of a
                      Desktop Provider. Valid for VirtualBox and Hyper-V
provider-list-templates: List the templates for the desktop provider
provider-list-unmanaged: List the desktops from the VMware vCenter that are
                      not managed by any desktop provider
provider-list-networks: List all networks for the desktop provider
provider-rename-network: Renames a network for the desktop provider
User Directory Subcommands:
directory-add:         Add the user directory configuration to the system
directory-remove:     Remove the user directory configuration from the
                      system
directory-getprops:    List the properties of the user directory
directory-setprops:    Edit the properties of the user directory
directory-show:        Show the configuration details for the user directory
Global Settings Subcommands:
settings-getprops:     List global settings
settings-setprops:     Edit global settings
settings-resetprops:   Reset global settings to their default value
Job Subcommands:
job-list:              List the existing jobs
job-show:              Show the job details
job-cancel:            Cancels the specified running jobs
job-wait:              Wait until the job ends
Each subcommand has its specific options and arguments. Specify --help after the
subcommand name to display its usage.

```

## Man Page (vda-webadmin)

The `vda-webadmin` command (`/opt/SUNWvda/sbin/vda-webadmin`) is used manage the web server of the VDI Manager (Administration GUI). To view the following man page, run:

```
% man -M /opt/SUNWvda/man vda-webadmin
```

### Man Page Output

```
Sun Virtual Desktop Infrastructure Administration
                                vda-webadmin(1M)

NAME
  vda-webadmin - Sun Virtual Desktop Infrastructure Web
  Administration tool

SYNOPSIS
  /opt/SUNWvda/sbin/vda-webadmin start

  /opt/SUNWvda/sbin/vda-webadmin stop

  /opt/SUNWvda/sbin/vda-webadmin restart

  /opt/SUNWvda/sbin/vda-webadmin status

  /opt/SUNWvda/sbin/vda-webadmin enable

  /opt/SUNWvda/sbin/vda-webadmin disable

  /opt/SUNWvda/sbin/vda-webadmin -h

DESCRIPTION
  The Sun Virtual Desktop Infrastructure Web Administration
  tool allows administrators control and configure the broker-
  ing of desktop sessions. vda-webadmin may be used to control
  the web administration service used by the tool.

SUBCOMMANDS
  The following subcommands are supported.

  start Start the service

  stop Stop the service

  restart
    Restart the service

  status
    Query and print the service status

  enable
    Enable the service to start at system boot

  enable
    Disable the service from starting at system boot

OPTIONS
  -h Print a usage message

EXIT STATUS
```

The following exit values are returned.

0      Success

Sun VDI 3.1                      Last change: 11/03/09                      1

Sun Virtual Desktop Infrastructure Administration  
vda-webadmin(1M)

non zero  
Failure

#### ATTRIBUTES

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

Attribute Type	Attribute Value
Availability	SUNWvda-admin
Interface Stability	Uncommitted

SEE ALSO  
vda-config(1M), vda-service(1M)

## Man Page (vda-db-status)

The `vda-db-status` command (`/opt/SUNWvda/sbin/vda-db-status`) is used to check the status of the VDI database service. To view the following man page, run:

```
% man -M /opt/SUNWvda/man vda-db-status
```

## Man Page Output

```
Sun Virtual Desktop Infrastructure Administration
                                vda-db-status(1M)

NAME
  vda-db-status - Sun Virtual Desktop Infrastructure Service
  database status tool

SYNOPSIS
  /opt/SUNWvda/sbin/vda-db-status [-i] [-x] [-s] [-h]

DESCRIPTION
  The Sun Virtual Desktop Infrastructure Service database
  status tool displays information about the current database
  configuration and the status of the Sun Virtual Desktop
  Infrastructure Service database.

OPTIONS
  -i   Displays information about the current database confi-
       guration.

  -x   Display the status without a header.

  -s   Display a short version of the database status.

  -h   Print a usage message

EXIT STATUS
  The following exit values are returned.

  0     Success

  non zero
       Failure

ATTRIBUTES
  See attributes(5) for descriptions of the following attri-
  butes:
```

Attribute Type	Attribute Value
Availability	SUNWvda-db-status
Interface Stability	Uncommitted

```
SEE ALSO
  vda-config(1M), vda-service(1M)
```

## Man Page (vda-service)

The `vda-service` command (`/opt/SUNWvda/sbin/vda-service`) is used for management the VDI Core service. To view the following man page, run:

```
% man -M /opt/SUNWvda/man vda-service
```

### Man Page Output

Sun Virtual Desktop Infrastructure Administration  
vda-service(1M)

**NAME**

vda-service - Sun Virtual Desktop Infrastructure Service administration tool

**SYNOPSIS**

```
/opt/SUNWvda/sbin/vda-service start

/opt/SUNWvda/sbin/vda-service stop

/opt/SUNWvda/sbin/vda-service restart

/opt/SUNWvda/sbin/vda-service status

/opt/SUNWvda/sbin/vda-service -h
```

**DESCRIPTION**

The Sun Virtual Desktop Infrastructure Service is responsible for brokering desktop sessions on behalf of client applications. vda-service may be used to control the service.

**SUBCOMMANDS**

The following subcommands are supported.

```
start Start the service

stop Stop the service

restart
  Restart the service

status
  Query and print the service status
```

**OPTIONS**

```
-h Print a usage message
```

**EXIT STATUS**

The following exit values are returned.

```
0 Success

non zero
  Failure
```

**ATTRIBUTES**

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

Attribute Type	Attribute Value
Availability	SUNWvda-service
Interface Stability	Uncommitted

**SEE ALSO**

vda-config(1M), vda-webadmin(1M)

## Man Page (vda-client)

The vda-client command (/opt/SUNWvda/sbin/vda-client) is used to manage client sessions. To view the following man page, run:

```
% man -M /opt/SUNWvda/man vda-client
```

## Man Page Output

```
Sun Virtual Desktop Infrastructure Commands          vda-client(1)
```

### NAME

vda-client - Sun Virtual Desktop Infrastructure client tool

### SYNOPSIS

```
/opt/SUNWvda/lib/vda-client [-i] [-p port] [-m identifier]
[-t token] [-u user] [-P pool] [-D desktop]
```

### DESCRIPTION

The Sun Virtual Desktop Infrastructure client tool may be used to retrieve the ip address of a virtual machine assigned to a given user session. If the specified assignment does not already exist, it will be created. On successful completion, information describing the assigned virtual machine is printed to standard output.

### OPTIONS

**-i** Indicates that only the ip address and port of the assigned virtual machine should be printed to standard output on successful completion. If omitted, various other pieces of information relating to the assigned virtual machine will also be printed to standard output.

### **-p port**

Specifies the port where the Sun Virtual Desktop Infrastructure service is listening. Note: If this option is not specified, the port will be read from the file /tmp/vdaservice.port, which is used by the Sun Virtual Desktop Infrastructure service to store its port number while it is running.

### **-m identifier**

Specifies an identifier to be used when locating a previously assigned virtual machine or creating a new assignment. The default value is "default". This option can only be used when the user (-u) or token (-t) options have not been specified.

### **-t token**

Specifies the token id to be used when querying for or starting virtual machines.

### **-u user**

Specifies the username to be used when querying for or starting virtual machines, and for authentication against the Sun Virtual Desktop Infrastructure service's User Directory. The user will be prompted to enter their password with echo off. The username may be specified in the User Principal Name format, for example "-u johnsmith@mydomain.com".

### **-P pool**

Specifies a preferred pool to be used when locating a previously assigned virtual machine or creating a new assignment.

### **-D desktop**

Specifies a preferred desktop to be used when locating a previously assigned virtual machine or creating a new assignment.

**EXIT STATUS**

The following exit values are returned.

0      Success

non zero  
    Failure

**ATTRIBUTES**

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

Attribute Type	Attribute Value
Availability	SUNWvda-client
Interface Stability	Uncommitted

