



Provision an SVM by using a preconfigured ONTAP template

ONTAP 9

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Starting with ONTAP 9.3, you can create and provision an SVM by using a preconfigured template. You must provide values for the parameters that are defined in the template.

QUESTION: WHY would a user need to do this?

All of the required feature licenses must be installed on the cluster.

The VserverEnvironmentSetup template is the preconfigured template that you can use for configuring SVMs. The VserverEnvironmentSetup template enables you to set up the following configurations:

- Security style, language setting, and IPspace of the SVM
- Protocols
- Data LIFs
- Network routes
- DNS configuration
- Active Directory configuration
- NIS configuration
- LDAP client and server configuration
- CIFS server

The VserverEnvironmentSetup template is a read-only template. You cannot modify the default parameter values of this template. If you want to modify the default values of any of the parameters in the template, you must copy the template, and then modify the default values of the parameters.

1. View and note down the values for the parameters that are defined in the template for creating and configuring the SVM: `template parameter show`

```
cluster1::> template parameter show
```

```
Template: VserverEnvironmentSetup
Permission: readonly
```

Parameter	Type	Default Value	Read Only	Description
vserver	string	-	no	Vserver Name
security_style	string	unix	no	Vserver Security Style
language	string	C.UTF-8	no	Vserver Language
ipspace	string	Default	no	Vserver IPspace
protocols	enum	-	no	Protocols to configure
Allowed Values: nfs, cifs, iscsi, fcp				
data_lif	array of lifInfoStruct	-	yes	Data LIF Info Struct
data_lif[#].ipaddr	IPAddress	-	no	IP Addr
data_lif[#].netmask	IPAddress	-	no	NetMask
data_lif[#].protocol	string	-	no	LIF Protocol
data_lif[#].homenode	string	-	no	Node Name
data_lif[#].homeport	string	-	no	Port
gateway	array of IPAddress	-	yes	Gateway
gateway[#]	IPAddress	-	no	Gateway
search_domain	string	-	no	Search Domain
dns_server	string	-	no	DNS IP Addresses List
ad_admin_name	string	-	no	AD Admin Name
ad_admin_passwd	string	***	no	AD Admin Passwd
ad_domain	string	-	no	AD Domain
ad_ou	string	CN=Computers	no	Organizational Name
wg_name	string	-	no	WG Name
nis_domain	string	-	no	NIS Domains
nis_ipaddr	string	-	no	NIS IP Address
ldap_server	string	-	no	LDAP Server IP
ldap_base_dn	string	-	no	LDAP Base DN
client_config	string	-	no	LDAP Client Config
cifs_server	string	-	no	CIFS Server Name

26 entries were displayed.

2. If you want to modify the default value of any parameter in the template, customize the existing template:

- a. Copy the template: `template copy -name template_name -destination new_template_name`

```
cluster1::> template copy -name VserverEnvironmentSetup -destination  
-name template1
```

The new template is a read/write template.

- b. Modify the default value of the parameter that you want to change: `template parameter modify -template template_name -name parameter_name -default-value new_default_value`

```
cluster1::> template parameter modify -template template1 -name  
security_style -default-value ntfs
```

3. Provision the SVM by specifying values for the parameters in the template: `template provision -name template_name`

```
cluster-1::> template provision -name template1  
Press Ctrl+C to abort.  
*****  
* Setup of vservers *  
*****  
Vserver Name: vs0  
Vserver Language [C.UTF-8]:  
Vserver Security Style [ntfs]:  
Vserver IPspace [Default]:  
  
*****  
* Setup of network.interface *  
*****  
Enter number of instances for object network.interface: 2  
(1/2)LIF Protocol: nfs  
(1/2)IP Addr: 1.1.1.1  
(1/2)NetMask: 255.255.255.0  
(1/2)Node Name: node1-vsim1  
(1/2)Port: e0c  
(2/2)LIF Protocol: nfs  
(2/2)IP Addr: 1.1.1.1  
(2/2)NetMask: 255.255.255.0  
(2/2)Node Name: node1-vsim1  
(2/2)Port: e0c  
  
*****  
* Setup of network.routes *
```

```

*****
Enter number of instances for object network.routes: 1
(1/1)Gateway: 1.1.1.1

*****
* Setup of access.dns *
*****
Search Domain: netapp.com
DNS IP Addresses List: 1.1.1.1

*****
* Setup of security.nis *
*****
NIS Domains: netapp.com
NIS IP Address: 1.1.1.1

*****
* Setup of security *
*****
LDAP Client Config: ldapconfig
LDAP Server IP: 1.1.1.1
LDAP Base DN: dc=examplebasedn

*****
* Setup of protocols *
*****
Protocols to configure: nfs
[Job 15] Configuring vserver for vs0 (100%)

```

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