template commands

ONTAP commands

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template commands

template copy

Copy a template

Availability: This command is available to *cluster* administrators at the *admin* privilege level.

Description

Use this command to copy an existing template. The copied template becomes a readwrite template and can be customized using template parameter family of commands.

Parameters

`-name <template name>` - Name of the template

This parameter specifies the name of the template.

`-destination-name <template name>` - Destination template

This parameter specifies the name of the destination template.

Examples

The following example copies template1 to template2. The template2 will be a readwrite template:

```
cluster1::> template copy -name template1 -destination-name template2
```

template delete

Delete an existing template

Availability: This command is available to *cluster* administrators at the *admin* privilege level.

Description

Use this command to delete an existing template.

Parameters

`-name <template name>` - Name of the template

This parameter specifies the name of the template.

Examples

The following example deletes a template named template1 from the cluster:

```
cluster1::> template delete -name template1
```

template download

Download a template

Availability: This command is available to *cluster* administrators at the *advanced* privilege level.

Description

Use this command to download a template from an external server to the cluster.

Parameters

`-uri {(ftp|http)://(hostname|IPv4 Address|'['IPv6 Address']')…}` - URI of the template (privilege: advanced)

This parameter specifies the URI from which the template will be downloaded.

`[-name <template name>]` - Name of the template (privilege: advanced)

This parameter specifies the name that will be assigned to the template in the cluster.

Examples

The following example downloads the template specified in the -uri parameter value and names the template as template1:

```
cluster1::> template download -uri http://www.example.com/netapp-
templates/mysample -name template1
```

The following example downloads the template specified in the -uri parameter value:

```
cluster1::> template download -uri http://www.example.com/netapp-
templates/template1
```

template provision

Provision Data ONTAP resources using the template

Availability: This command is available to *cluster* administrators at the *admin* privilege level.

Description

The command `template provision` provisions ONTAP system based on the template that is passed as an input to the template parameter. A wizard is presented which will accept the required inputs.

Parameters

-name <template name> - Name of the template

This parameter specifies the name of the template

[-simulate {true|false}] - Simulate

If this parameter is specified, the provisioning is just simulated and there will be no changes done to the system.

Examples

The following example provisions a vserver with required protocols using template.

```
cluster-1::> template provision -name VserverEnvironmentSetup
      Press Ctrl+C to abort.
      ********************
      * Setup of vserver *
      ********************
      Vserver Name: vs0
      Vserver Language [C.UTF-8]:
      Vserver Security Style [unix]:
      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%)
```

template rename

Rename a template

Availability: This command is available to *cluster* administrators at the *admin* privilege level.

Description

Use this command to rename an existing template.

Parameters

-name <template name> - Name of the template

This parameter specifies the name of the template.

-new-name <template name> - New name of the template

This parameter specifies the template's new name.

Examples

The following example renames a template template1 as template2:

```
cluster1::> template rename -name template1 -new-name template2
```

template show-permissions

Display Template Allowed and Disallowed System Objects

Availability: This command is available to *cluster* administrators at the *admin* privilege level.

Description

The template show-permission command shows all the system objects that are allowed and disallowed for the current user.

Parameters

{ [-fields <fieldname>,…]

If you specify the `-fields <fieldname>, …` parameter, the command output also includes the specified field or fields. You can use '-fields ?' to display the fields to specify.

| [-instance] }

If you specify the `-instance` parameter, the command displays detailed information about all fields.

[-name <text>] - Name

If you specify this parameter, only permissions that match the specified name are displayed.

[-object-name <text>] - Object Name

If you specify this parameter, only permissions that match the specified object-name are displayed.

[-permission <text>] - Permission

If you specify this parameter, only permissions that match the specified permission are displayed.

[-command-name <text>] - Command Name

If you specify this parameter, only permissions that match the specified command-name are displayed.

Examples

The following example shows all the the allowed and disallowed system objects

```
cluster1::> template show-permissions
    Template: VserverEnvironmentSetup
    Object Name          Command Name
Permission
    -------------------- ------------------------------------------
------------
    access.dns           vserver services name-service dns create
allowed
    network.interface    network interface create
allowed
    network.routes       network route create
allowed
    protocols.CIFS       vserver cifs create
allowed
```

template show

Display templates

Availability: This command is available to *cluster* administrators at the *admin* privilege level.

Description

The `template show` command displays information about templates. The command output depends on the parameter or parameters specified with the command. If no parameters are specified, then the command displays the following information about all the templates:

- Template Name
- Permission (*`readonly`* or *`readwrite`*)

To display detailed information about a single template, run the command with the `-name` parameter. The detailed view provides all of the information in the previous list with the following additional information:

- Parent Template Name
- Description
- Version
- UUID of the Template

To display detailed information about all templates, run the command with the `-instance` parameter.

You can specify additional parameters to display information that matches only those parameters. For example, to display information only about templates with readonly permissions, run the command with the `-permission readonly` parameter.

Parameters

{ [-fields <fieldname>,…]

This parameter specifies the fields that need to be displayed.

| [-instance] }

If this parameter is specified, the command displays information about all entries.

[-name <template name>] - Name of the template

If this parameter is specified, the command displays the detailed information about the template that matches the specified name.

[-permission <template_permission>] - Permission

If this parameter is specified, the command displays information about the template or templates that matches the specified permission.

[-parent-template <text>] - Parent template name

If this parameter is specified, the command displays information about the template or templates that matches the specified parent template name.

[-description <text>] - Description

If this parameter is specified, the command displays information about the template or templates that matches the specified description.

[-version <text>] - Version

If this parameter is specified, the command displays information about the template or templates that matches the specified version.

[-uuid <UUID>] - UUID of the template

If this parameter is specified, the command displays information about the template or templates that matches the specified uuid.

Examples

The following example displays information about all templates in the cluster:

```
cluster1::> template show
Template                          Permission
--------------------------------- ----------
template1                         readonly
template2                         readwrite
```

The following example displays detailed information about a template named template1:

```
cluster1::> template show -name template1
 Name of the Template: template1
           Permission: readonly
 Parent Template Name: -
          Description: Template to configure Vserver Environment
              Version: 1.0
 UUID of the Template: c8dfeb58-b5c5-5697-a829-18d4ee0ba202
```

template upload

Upload an existing template to an external server

Availability: This command is available to *cluster* administrators at the *advanced* privilege level.

Description

Use this command to upload an existing template on to an external server.

Parameters

`-name <template name>` - Name of the template (privilege: advanced)

This parameter specifies the name of the template.

`-uri {(ftp|http)://(hostname|IPv4 Address|'['IPv6 Address']')…}` - URI to upload the template (privilege: advanced)

This parameter specifies the URI to which the template will be uploaded.

Examples

The following example uploads a template template1 on to an external server specified in the uri input parameter:

```
cluster1::*> template upload -name template1 -uri
http://www.example.com/mytemplates/
```

template parameter commands

template parameter modify

Modify the template parameters

Availability: This command is available to *cluster* administrators at the *admin* privilege level.

Description

The `template parameter modify` command can be used to modify the following attributes of a template parameter:

- Default value of the parameter

Parameters

`-template <template name>` - Name of the template

Name of the template.

`-name <text>` - Name of the parameter

This parameter specifies the name of the parameter.

`[-default-value <text>]` - Default value of the parameter

This parameter specifies the default value of the parameter. This value is used by the template provision command when it provisions the system using this template.

Examples

The following example modifies the default value of the parameter param1 in template template1 to value1:

```
cluster1::> template parameter modify -template template1 -parameter
param1 -default-value value1
```

Related Links

- template provision

template parameter show

Display template parameters

Availability: This command is available to *cluster* administrators at the *admin* privilege level.

Description

The `template parameter show` command displays information about the parameters of a template. The command output depends on the parameter or parameters specified with the command. If no parameters are specified, the command displays the following information about all the parameters of all the templates in the system:

- Name of the template
- Name of the parameter
- Permission (*`readonly`* or *`readwrite`*)
- Default Value for the parameter
- Readonly
- Description

To display detailed information about a single parameter of the template run the command with the `-name` parameter. The detailed view provides all of the information in the previous list with the following additional information:

- Recommended Value for the parameter
- Maximum Length
- Range Maximum
- Range Minimum
- Allowed Values

To display detailed information about all the parameters of the template, run the command with the `-instance` parameter

You can specify additional parameters to display information that matches only those parameters. For example, to display information about all the parameters of the templates with readonly permissions, run the command with the `-permission readonly` parameter.

Parameters

{ [-fields <fieldname>,…]

This parameter specifies the fields that need to be displayed.

| [-instance] }

If this parameter is specified, the command displays information about all entries.

[-template <template name>] - Name of the template

Name of the template.

[-name <text>] - Name of the parameter

If this parameter is specified, the command displays information about the parameter of all the templates that matches the specified parameter name.

[-permission <text>] - Template permission

If this parameter is specified, the command displays information about the parameter or parameters of all the templates that matches the specified permission.

[-type <text>] - Type of the parameter

If this parameter is specified, the command displays information about the paramter or parameters of all the templates that matches the specified type.

[-description <text>] - Parameter description

If this parameter is specified, the command displays information about the parameter or parameters of all the templates that matches the specified description.

[-recommended-value <text>] - Recommended value of the parameter

If this parameter is specified, the command displays information about the parameter or parameters of all the templates that matches the specified recommended value.

[-default-value <text>] - Default value of the parameter

If this parameter is specified, the command displays information about the parameter or parameters of all the templates that matches the specified default value.

[-readonly {yes|no}] - Read-only parameter

If this parameter is specified with a value of true, then all the parameters that cannot modified of all templates are displayed. If the value specified is false, then all the parameters that can be modified of all templates are displayed.

[-max-length <integer>] - Maximum length

If this parameter is specified, the command displays information about the parameter or parameters of all the templates that matches the specified maxium length.

[-range-max <integer>] - Maximum range

If this parameter is specified, the command displays information about the parameter or parameters of all the templates that matches the specified maximum range.

[-range-min <integer>] - Minumum range

If this parameter is specified, the command displays information about the parameter or parameters of all the templates that matches the specified minimum range.

[-allowed-vals <text>] - Allowed values

If this parameter is specified, the command displays information about the parameter or parameters of all the templates that matches the specified allowed values.

Examples

The following example displays information about all the parameters of all the templates in the cluster:

```
cluster1::> template parameter show
  Template: template1
  Permission: readonly
                                Default      Read
Parameter           Type        Value        Only Description
------------------- ----------- ------------ ---- ----------------------
parameter1          string      -            No   Parameter1
parameter2          IPAddress   -            No   Parameter2
```

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