



Configure LIF service policies

ONTAP System Manager

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2. Create a service policy:

```
network interface service-policy create -vserver <svm_name> -policy
<service_policy_name> -services <service_name> -allowed-addresses
<IP_address/mask,...>
```

- "service_name" specifies a list of services that should be included in the policy.
- "IP_address/mask" specifies the list of subnet masks for addresses that are allowed to access the services in the service policy. By default, all specified services are added with a default allowed address list of 0.0.0.0/0, which allows traffic from all subnets. When a non-default allowed address list is provided, LIFs using the policy are configured to block all requests with a source address that does not match any of the specified masks.

The following example shows how to create a data service policy, svm1_data_policy, for an SVM that includes NFS and SMB services:

```
network interface service-policy create -vserver svm1 -policy
svm1_data_policy - services data-nfs,data-cifs,data-core -allowed
-addresses 10.1.0.0/16
```

The following example shows how to create an intercluster service policy:

```
network interface service-policy create -vserver cluster1 -policy
intercluster1 - services intercluster-core -allowed-addresses
10.1.0.0/16
```

3. Verify that the service policy is created.

```
network interface service-policy show
```

The following output shows the service policies that are available:

```

network interface service-policy show
Vserver    Policy                               Service: Allowed Addresses
-----
-----
cluster1
    default-intercluster                intercluster-core: 0.0.0.0/0
                                         management-https: 0.0.0.0/0

    default-management                  management-core: 0.0.0.0/0
                                         management-autosupport: 0.0.0.0/0
                                         management-ssh: 0.0.0.0/0
                                         management-https: 0.0.0.0/0

    default-route-announce              management-bgp: 0.0.0.0/0

Cluster
    default-cluster                     cluster-core: 0.0.0.0/0

vs0
    default-data-blocks                 data-core: 0.0.0.0/0
                                         data-iscsi: 0.0.0.0/0

    default-data-files                  data-core: 0.0.0.0/0
                                         data-nfs: 0.0.0.0/0
                                         data-cifs: 0.0.0.0/0
                                         data-flexcache: 0.0.0.0/0

    default-management                  data-core: 0.0.0.0/0
                                         management-ssh: 0.0.0.0/0
                                         management-https: 0.0.0.0/0

7 entries were displayed.

```

After you finish

Assign the service policy to a LIF either at the time of creation or by modifying an existing LIF.

Assign a service policy to a LIF

You can assign a service policy to a LIF either at the time of creating the LIF or by modifying the LIF. A service policy defines the list of services that can be used with the LIF.

About this task

You can assign service policies for LIFs in the admin and data SVMs.

Step

Depending on when you want to assign the service policy to a LIF, perform one of the following actions:

If you are...	Assign the service policy by entering the following command...
Creating a LIF	<code>network interface create -vserver svm_name -lif <lif_name> -home-node <node_name> -home-port <port_name> {(-address <IP_address> -netmask <IP_address>) -subnet-name <subnet_name>} -service-policy <service_policy_name></code>
Modifying a LIF	<code>network interface modify -vserver <svm_name> -lif <lif_name> -service-policy <service_policy_name></code>

When you specify a service policy for a LIF, you need not specify the data protocol and role for the LIF. Creating LIFs by specifying the role and data protocols is also supported.



A service policy can only be used by LIFs in the same SVM that you specified when creating the service policy.

Examples

The following example shows how to modify the service policy of a LIF to use the default- management service policy:

```
network interface modify -vserver cluster1 -lif lif1 -service-policy
default-management
```

Commands for managing LIF service policies

Use the "network interface service-policy" commands to manage LIF service policies.

If you want to...	Use this command...
Create a service policy	<code>network interface service-policy create</code>
Add an additional service entry to an existing service policy	<code>network interface service-policy add-service</code>
Clone an existing service policy	<code>network interface service-policy clone</code>
Modify a service entry in an existing service policy	<code>network interface service-policy modify-service</code>
Remove a service entry from an existing service policy	<code>network interface service-policy remove-service</code>
Rename an existing service policy	<code>network interface service-policy rename</code>
Delete an existing service policy	<code>network interface service-policy delete</code>
Restore a built-in service-policy to its original state	<code>network interface service-policy restore- defaults</code>
Display existing service policies	<code>network interface service-policy show</code>

Related information

[ONTAP 9 commands](#)

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