

# IceStorm Administration

The IceStorm administration tool is a command-line program that provides administrative control of an IceStorm server. The tool requires that the `IceStormAdmin.TopicManager.Default` property be defined, as in the [IceStorm server configuration](#).

The following command-line options are supported:

```
$ icestormadmin -h
Usage: icestormadmin [options]
Options:
-h, --help           Show this message.
-v, --version        Display the Ice version.
-e COMMANDS          Execute COMMANDS.
-d, --debug          Print debug messages.
```

If one or more `-e` options are specified, the tool executes the given commands and exits, otherwise the tool enters an interactive session. The `help` command displays the following usage information:

- `help`  
Print this message.
- `exit, quit`  
Exit this program.
- `create TOPICS`  
Add *TOPICS*.
- `destroy TOPICS`  
Remove *TOPICS*.
- `link FROM TO [COST]`  
Link *FROM* to *TO* with the optional *COST*.
- `unlink FROM TO`  
Unlink *TO* from *FROM*.
- `links [INSTANCE-NAME]`  
Without an argument, `links` displays the links of all topics in the current topic manager. You can specify a different topic manager by providing its instance name.
- `topics [INSTANCE-NAME]`  
Without an argument, `topics` displays the names of all topics in the current topic manager. You can specify a different topic manager by providing its instance name.
- `current [INSTANCE-NAME]`  
Set the current topic manager to the topic manager with instance name *INSTANCE-NAME*. The proxy of the corresponding topic manager must be specified by setting an `IceStormAdmin.TopicManager.name` property. Without an argument, the command shows the current topic manager.
- `replica [INSTANCE-NAME]`  
Display [replication information](#) for the given *INSTANCE-NAME*.

Some of the commands accept one or more topic names (*TOPICS*) as arguments. Topic names containing white space or matching a command keyword must be enclosed in single or double quotes.

By default, `icestormadmin` uses the topic manager specified by the setting of the `IceStormAdmin.TopicManager.Default` property, which specifies the proxy for the topic manager. For example, without additional arguments, the `create` command operates on that topic manager.

If you are using multiple topic managers, you can specify the proxies by setting the property `IceStormAdmin.TopicManager.name` for each topic manager. For example:

```
IceStormAdmin.TopicManager.A=A/TopicManager:tcp -h x -p 9995
IceStormAdmin.TopicManager.B=Foo/TopicManager:tcp -h x -p 9996
IceStormAdmin.TopicManager.C=Bar/TopicManager:tcp -h z -p 9995
```

This sets the proxies for three topic managers. Note that *name* need not match the instance name of the corresponding topic manager — *name* simply serves as a tag. With these property settings, the `icestormadmin` commands that accept a topic can now specify a topic manager other than the default topic manager that is configured with `IceStormAdmin.TopicManager.Default`. For example:

```
current Foo  
create myTopic  
create Bar/myOtherTopic
```

This sets the current topic manager to the one with instance name `Foo`; the first `create` command then creates the topic within that topic manager, whereas the second `create` command uses the topic manager with instance name `Bar`.

#### See Also

- [Configuring IceStorm](#)
- [Highly Available IceStorm](#)
- [IceStorm Properties](#)