

IceStorm Administration



The IceStorm administration tool, `icestormadmin`, is a command-line program that provides administrative control of an IceStorm server.

Configuration properties inform `icestormadmin` about the topic manager(s) that you wish to administer. You have several configuration options:

- Define `IceStormAdmin.Host` and `IceStormAdmin.Port` - `icestormadmin` constructs its own proxy for the topic manager at the specified host and port
- Define `IceStormAdmin.TopicManager.Default` - specifies a proxy for the default topic manager on which administrative commands operate
- Define `IceStormAdmin.TopicManager.name` - specifies the proxies for any number of named topic managers

The tool supports the following command-line options:

```
$ 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 you specify one or more `-e` options, 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*.
- `subscribers TOPICS`
Displays the identities of the subscribers for each of the *TOPICS*.

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 your setting for `IceStormAdmin.TopicManager.Default`. For example, without additional arguments, the `create` command operates on that topic manager.

If you are using multiple topic managers, you can specify their proxies by setting `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`.

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See Also

- [Configuring IceStorm](#)
- [Highly Available IceStorm](#)
- [IceStorm Properties](#)
- [IceStormAdmin.*](#)

