



# LAB 1.3 Guide - Install and Verify Istio

## Section 5, Lecture 22

Now, let's install Istio. Istio's control plane is installed in its own Kubernetes `istio-system` namespace and can manage microservices from all other namespaces. The installation includes Istio core components, tools, and samples.

### Download Istio

The [Istio release page \(https://github.com/istio/istio/releases\)](https://github.com/istio/istio/releases) offers download artifacts for several OSs. In our case, we can use a convenient command to download and extract the 1.0.0 release automatically:

```
1 | curl -L https://git.io/getLatestIstio | ISTIO_VERSION=1.0.0 sh -
```

Note that if you remove the "ISTIO\_VERSION=1.0.0" string from the above command, you will get the latest version of Istio, or you can look at the release page linked above, and select a different version of Istio if you have need a specific version for some purpose.

The installation directory contains the following files which we'll use:

- Installation `.yaml` files for Kubernetes in `install/kubernetes`
- Sample applications in `samples/`
- The `istioctl` client binary in the `bin/` directory. Similar to `kubectl` for Kubernetes, this is the tool used to manage Istio, including network routing and security policies.
- The `istio.VERSION` configuration file

Change to the istio directory:

```
1 | cd ./istio-*
```

