Configure Nix to use a custom binary cache

Nix can be configured to use a binary cache with the `substituters` and `trusted-public-keys` settings, either exclusively or in addition to cache.nixos.org.

> 💡 **Tip**
>
> Follow the tutorial to set up an HTTP binary cache and create a key pair for signing store objects.

For example, given a binary cache at `https://example.org` with public key `My56...Q==%`, and some derivation in `default.nix`, make Nix exclusively use that cache once by passing settings as command line flags:

```
$ nix-build --substituters https://example.org --trusted-public-keys example.org:My
```

To permanently use the custom cache in addition to the public cache, add to the Nix configuration file:

```
$ echo "extra-substituters = https://example.org" >> /etc/nix/nix.conf
$ echo "extra-trusted-public-keys = example.org:My56...Q==%" >> /etc/nix/nix.conf
```

To always use only the custom cache:

```
$ echo "substituters = https://example.org" >> /etc/nix/nix.conf
$ echo "trusted-public-keys = example.org:My56...Q==%" >> /etc/nix/nix.conf
```

Skip to main content

🔔 **NixOS**

On NixOS, Nix is configured through the `nix.settings` option:

```
1 { ... }: {
2   nix.settings = {
3     substituters = [ "https://example.org" ];
4     trusted-public-keys = [ "example.org:My56...Q==%" ];
5   };
6 }
```

🔔 **NixOS**

On NixOS, Nix is configured through the `nix.settings` option: