Installation from packaging

- NixOS 26.05 or earlier
- NixOS 26.11 or later
- Additional configuration

NixOS 26.05 or earlier

A `forgejo-runner` package is available for Nix. As NixOS service module `services.gitea-actions-runner.*` can be used.

If application containers are to be used (Docker or Podman), one of `virtualisation.docker.enable` or `virtualisation.podman.enable` must also be set to `true`.

An example service definition might look like this:

```
services.gitea-actions-runner = {
  package = pkgs.forgejo-runner;
  instances.my-forgejo-instance = {
    enable = true;
    name = "my-forgejo-runner-01";
    token = "<registration-token>";
    url = "https://code.forgejo.org/";
    labels = [
      "node-22:docker://node:22-bookworm"
      "nixos-latest:docker://nixos/nix"
    ];
    settings = { ... };
  };
};
```

The runner configuration can be specified in `services.gitea-actions-runner.instances.<instance>.settings` as per Configuration.

NixOS 26.11 or later

Starting from NixOS 26.11, running the Forgejo runner using the `services.gitea-actions-runner.*` module is no longer supported. The `services.forgejo-runner.*` module should be used instead.

An example service definition might look like this:

```
services.forgejo-runner.instances.my-forgejo-instance = {
  enable = true;
  settings = {
    server.connections.forgejo = {
      url = "https://code.forgejo.org/";
      uuid = "<runner-uuid>";
    };
  };
  secrets.server.connections.forgejo.token_url = "/path/to/token/file";
};
```

> `services.forgejo-runner.instances.<instance>.secrets.server.connections.<connection>.token_url` should not be set to a path in the Nix store (e.g. `./token`), as this will result in the token being readable by all users on the system. Instead, the token file should either be a regular file outside the Nix store, or, ideally, managed by a secret scheme.

Any non-secret configuration can be specified in `services.forgejo-runner.instances.<instance>.settings` as per configuration.

> The `services.forgejo-runner` module currently does not support running in ephemeral mode.

Additional configuration

IPv6 support is not enabled by default for docker. The following snippet enables this.

```
virtualisation.docker = {
  daemon.settings = {
    fixed-cidr-v6 = "fd00::/80";
    ipv6 = true;
```

```
  };
};
```

If you would like to use docker runners in combination with cache actions, be sure to add docker bridge interfaces `"br-+"` to the firewalls' trusted interfaces:

```
networking.firewall.trustedInterfaces = [ "br-+" ];
```

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