

Service activation

Before another party can interact with you, they will first need to find your endpoints. The discovery service in the Nuts node can help you. The Nuts node can act as both server and client. From a use case definition you'll receive the following information/files:

- **Discovery Service Definition.** A file that contains the ID, server address, allowed DID methods and Presentation Definition for the discovery service. The Presentation Definition lists a number of constraints. The constraint identifiers can be used as additional search parameters.
- **Use case specific endpoints.** Endpoint types like: FHIR, notification, etc. These have to be added through the additional registration parameters.

Example:

```
{
  "id": "coffeecorner",
  "did_methods": ["web", "nuts"],
  "endpoint": "https://example.com/discovery/coffeecorner",
  "presentation_max_validity": 36000,
  "presentation_definition": {
    "id": "coffeecorner2024",
    "format": {
      "ldp_vc": {
        "proof_type": [
          "JsonWebSignature2020"
        ]
      },
      "jwt_vp": {
        "alg": ["ES256"]
      }
    },
    "input_descriptors": [
      {
        "id": "NutsOrganizationCredential",
        "constraints": {
          "fields": [
            {
              "path": [
                "$.type"
```

```
[
  {
    "filter": {
      "type": "string",
      "const": "NutsOrganizationCredential"
    }
  },
  {
    "id": "organization_name",
    "path": [
      "$.credentialSubject.organization.name"
    ],
    "filter": {
      "type": "string"
    }
  },
  {
    "path": [
      "$.credentialSubject.organization.city"
    ],
    "filter": {
      "type": "string"
    }
  }
]
}
```

The constraint for organization name (`organization_name`) can be used as search parameter.

Activate service for subject

POST /internal/discovery/v1/coffeecorner/my_subject_identifier

```
{
  "registrationParameters": {
    "fhir": "https://api.example.com/fhir",
    "contact": "alice@example.com"
  }
}
```

```
}
```

As you can see, contact information can also be added. Follow the use case requirements.

The response can be a `200 OK` which means the service has been activated immediately. It can also be a `202 Accepted` which means that the Nuts node received your request but was unable to send the activation to the discovery server. The Nuts node will retry periodically. Others can't find you yet. The logs will keep you posted.

To know if you're findable for others, you can perform a search on the registered subject.

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