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How this book works, who does what, and what you need from the use case.

- How to use this book

How to use this book

This book takes you through implementing a Nuts spec v2 use case, from deploying the Nuts node to querying another care organization. Each page is one task: what it's for, what you need first, the steps, and how to check it worked.

Everything specific to the example use case, 360-graden-clientbeeld, is in a blue box like this one:

> **360-graden-clientbeeld**
>
> Values and rules that only apply to 360-graden-clientbeeld. For another use case, refer to that use case's implementation guide (IG).

Who does what

Party	Role
Vendor	Runs the Nuts node, for all of its care organizations, and integrates it with its EHR or other software. Most of this book is for the vendor.
Care organization	Owns its UZI server certificate and creates its X509Credential with it (see "Get an X509Credential from a UZI certificate").
Use case	Its implementation guide (IG) sets the rules: which credentials, which endpoints, which data, and on which legal basis.

What you need from the use case's IG

What	Used in
Discovery Service definition, per environment	"Install the use case's configuration files"
Policy definition, per environment	"Install the use case's configuration files"
Which credentials a care organization needs	"Set up a care organization"
Which registration parameters to publish, e.g. API endpoints	"Register on the Discovery Service"
The scope, and which credentials go in a token request	"Request an access token"
Which queries are allowed, and the rules for allowing them	"Make the FHIR call", "Validate the access token"

Checklist

Step	How often	Chapter
Deploy the Nuts node	Once per vendor, per environment	Deploy
Install the use case's configuration files	Once per use case, per environment	Configure the node for a use case
Create a subject, get and load its credentials	Once per care organization, per environment	Set up a care organization
Register on the Discovery Service	Once per care organization, per use case, per environment	Join the use case
Find the other party, request a token, make the call	Every query	Outbound: querying another party
Validate the token, decide whether to allow the query	Every incoming query	Inbound: handling queries

Words used in this book

Word	Meaning
Subject	A care organization on your Nuts node. You use its subject ID in all calls to the node's internal API.
DID	Decentralized identifier: a public ID with keys. Each subject has one or more DIDs.
did:web	The DID method used in spec v2. Its DID document is published on your node's public web address.
Verifiable Credential	A signed statement about a subject, e.g. its URA number (X509Credential). Credential types are defined in the credential catalog.
Verifiable Presentation	One or more credentials, signed by the holder, to show them to another party.
Wallet	Where the node stores a subject's credentials.
Discovery Service	A shared list where care organizations register, so others can find them and their endpoints.
Discovery Server	The server that holds a Discovery Service's list. The use case says where it is.
Policy definition	The credentials another party must present to get an access token, per scope.
Scope	The name of what an access token gives access to. The use case sets it.
Authorization server	The part of a Nuts node that issues access tokens.

Word	Meaning
Introspect	Ask your Nuts node what an access token contains and whether it's valid.
DPoP	A way to bind an access token to the requester's key, so a stolen token can't be used.