Versions

The versions of XAdES that derafu/xades supports, how they differ and how to choose one

Anonymous · 09/11/2026

Versions

A version of XAdES is chosen with the option `version` of each signature, by its identifier. The `VersionRegistry` has them, and gives the default one when none is asked for.

Identifier	Specification	Schema
`1.3.2` (default)	ETSI TS 101 903	`XAdES.xsd`
`1.3.2-201601`	ETSI EN 319 132-1	`XAdES01903v132-201601.xsd`

Both have the namespace `http://uri.etsi.org/01903/v1.3.2#`: the second one is the revision of 2016 of the schema of the first one, so the identifier says which of the two schemas the properties follow. Each version gives the path of its schema (`getSchema()`), that the package has in `resources/schemas/`.

What Is Different

Only three elements of the signed properties of B-B have a form for each version, and what the certificate of the signer has inside:

	`1.3.2`	`1.3.2-201601`
Certificate of the signer	`SigningCertificate`, with `IssuerSerial` (the issuer as a name and the serial number as a number)	`SigningCertificateV2`, with `IssuerSerialV2` (the issuer and the serial number in DER, base64), that is optional
Place of the signature	`SignatureProductionPlace`	`SignatureProductionPlaceV2`, that adds `StreetAddress`
Role of the signer	`SignerRole`, with claimed roles and certified roles (`CertifiedRoles`)	`SignerRoleV2`, with claimed roles, certified roles (`CertifiedRolesV2`) and signed assertions (`SignedAssertions`)

Everything else is the same: `SigningTime`, `SignaturePolicyIdentifier`, `DataObjectFormat` and `CommitmentTypeIndication`.

An option that the version does not have is an error, not something that is dropped: the street address of the place and the signed assertions of the role are refused with the version `1.3.2`.

Choosing a Version

```
$signed = $signer->sign($xml, $certificate, ['version' => '1.3.2-201601']);
```

The default version is the one that the `VersionRegistry` is built with:

```
use Derafu\Xades\Service\VersionRegistry;

$signer = new XadesSigner($generator, new VersionRegistry('1.3.2-201601'));
```

A version that the registry does not have is an error that lists the supported ones.

Validating

The validator does not need to be told the version: it checks each element by the version it belongs to, so a signature with `SigningCertificate` and one with `SigningCertificateV2` are both validated. The schema allows both forms in the same signature, and the validator checks each one.

Version Identifiers and Namespaces

The namespace `http://uri.etsi.org/01903/v1.4.1#` has only the elements of the levels above B-B (the time-stamps and the data of revocation), so it is not used by the signatures of this package.

Last updated on 09/11/2026