Namespace: declares either a default namespace or a prefix which is to be an abbeviation of the namespace within which an element and its children (or all elements otherwise unqualified) lives.

TargetNamespace: used in a schema definition, usually with the ‘elementFormDefault’ directive. The target namespace provides a default namespace for all of the defined elements in the schema. It is the sort of the analog of the default namespace in an Xml document. However schemas can only target one namespace. In order to handle an xml document with multiple namespaces, use pvc’s XmlValidator strategy of building a schema with a combination of referenced schemas using import / include.

Xmlns=[www.trustmark.com](http://www.trustmark.com) declares a default namespace. All otherwise unqualified elements in the document will live in that namespace.

Xmlns:foo=[www.foobar.com](http://www.foobar.com) declares “foo” to be an abbreviation of that namespace and so an element can be qualified as <foo:note> . So the note element lives in the [www.foobar.com](http://www.foobar.com) namspace.

LibXML version 2.9.1 installed in php version 7.4.3