XYO Network Encodings

August, 2018

1 XYO Core

1.1 Bound Witness (0x00)

1.1.1 Description

A Bound Witness in the XYO Network.

1.1.2 Childs

TypedGrouping$< KeySet >$ **(0x04)**
A keyset for every party in the bound witness.
TypedGrouping$< Payload >$ **(0x04)**
A payload for every party in the bound witness.
TypedGrouping$< SignatureSet >$ **(0x04)**
A SignatureSet for every party in the bound witness.

1.1.3 Catalogue Header

Name	Description
Size Identifier	Any
Is Iterable	Set
Is a Typed Iterable	Set
Reserved	N/A

1.2 KeySet (0x01)

1.2.1 Description

A set of public keys for a single party.

1.2.2 Childs

Public keys for a party.

1.2.3 Catalogue Header

Name	Description
Size Identifier	Any
Is Iterable	Set
Is a Typed Iterable	Not Set
Reserved	N/A

1.3 SignatureSet (0x02)

1.3.1 Description

A set of public keys for a single party.

1.3.2 Childs

Public keys for a party.

1.3.3 Catalogue Header

Name	Description
Size Identifier	Any
Is Iterable	Set
Is a Typed Iterable	Not Set
Reserved	N/A

1.4 Payload (0x03)

1.4.1 Description

A payload contains a set of unsigned and signed Heuristics.

1.4.2 Childs

UntypedGrouping (0x05)
Signed Heuristics.
UntypedGrouping (0x05)
Unsigned Heuristics.

1.4.3 Catalogue Header

Name	Description
Size Identifier	Any
Is Iterable	Set
Is a Typed Iterable	Not Set
Reserved	N/A

2 Generic Types

2.1 TypedGrouping (0x04)

2.1.1 Description

Any generic group.

2.1.2 Childs

Any number of objects of the same type.

2.1.3 Catalogue Header

Name	Description
Size Identifier	Any
Is Iterable	Set
Is a Typed Iterable	Set
Reserved	N/A

2.2 UntypedGrouping (0x05)

2.2.1 Description

Any generic group.

2.2.2 Childs

Any number of objects of any type.

2.2.3   Catalogue Header

Name	Description
Size Identifier	Any
Is Iterable	Set
Is a Typed Iterable	Not Set
Reserved	N/A