

XYO Network Encodings: Arrays

0x01

August, 2018

1 Single Element Array

A weak array is used when there is an array with different types (e.g. heuristics).

1.1 Byte Size Array Header (0x01)

Name	Type	Description
Total Size	Unsigned Byte	Size of Entire Array
Type Major	Byte	Type Major of the element
Type Minor	Byte	Type Minor of the element

1.2 Short Size Array Header (0x02)

Name	Type	Description
Total Size	Unsigned Short	Size of Entire Array
Type Major	Byte	Type Major of the element
Type Minor	Byte	Type Minor of the element

1.3 Int Size Array Header (0x03)

Name	Type	Description
Total Size	Unsigned Int	Size of Entire Array
Type Major	Byte	Type Major of the element
Type Minor	Byte	Type Minor of the element

1.4 Array Element

Name	Type	Description
Element	Indicated in Header	An element in the array

2 Multi Element Array

A Multi Element Array is used when there is an array with the same type (e.g. an origin chain).

2.1 Byte Size Array Header (0x04)

Name	Type	Description
Total Size	Unsigned Byte	Size of Entire Array

2.2 Short Size Array Header (0x05)

Name	Type	Description
Total Size	Unsigned Short	Size of Entire Array

2.3 Int Size Array Header (0x06)

Name	Type	Description
Total Size	Unsigned Int	Size of Entire Array

2.4 Array Element

Name	Type	Description
Type Major	Byte	Type Major of the element
Type Minor	Byte	Type Minor of the element
Element	Indicated Above	An element in the array