# Foxpath – extension functions

This document is work in progress. It describes extension functions supported by the Foxpath language.

## name-path

Abbreviations: npath, np

### Parameters

* node? – a node whose name path shall be returned;

default value: current context node

* numSteps? – the maximum number of steps to be included; for example, “2” means only the last two steps, that is, the name of the parent node and of the node itself

### Examples

Get the paths of all <xs:documentation> elements found in WSDLs; return sorted, distinct-values:

fox "../download/bhub-20210203//\*.wsdl\\xs:documentation\name-path() => distinct-values() => sort()"

Response (long lines folded for readibility):

/wsdl:definitions/wsdl:types/xsd:schema/xsd:annotation/xsd:documentation

/wsdl:definitions/wsdl:types/xsd:schema/xsd:complexType/xsd:all/xsd:element/xsd:annotation/

xsd:documentation

/wsdl:definitions/wsdl:types/xsd:schema/xsd:complexType/xsd:all/xsd:element/xsd:complexType/xsd:all/

xsd:element/xsd:annotation/xsd:documentation

…

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Get the last three steps of the paths of all <xs:documentation> elements found in WSDLs; return their frequency distribution:

fox "../download/bhub-20210203//\*.wsdl\\xs:documentation[not(\*)]\npath(., 3) =>f()"

Response:

xsd:complexType/xsd:annotation/xsd:documentation (2278)

xsd:element/xsd:annotation/xsd:documentation .... (5718)

xsd:simpleType/xsd:annotation/xsd:documentation . (28)