Schema

title:	Experimental Schema Features
module:	oasis-open.org/openc2/oc2ls-exp/v1.0
patch:	0
description:	Profile used to test schema features not used in existing language or profiles
exports:	Target, Specifiers, Args, Results

Target (Choice)

ID	Name	Type	#	Description
1	hashes	Hashes	1	Hash values displayed as hex
2	ipv4_addr_s	IPv4-String	1	IPv4 address displayed as type-specific string (dotted-decimal): '192.168.0.254'
3	ipv4_addr_x	IPv4-Hex	1	IPv4 address displayed as hex: 'C0A800FE'
4	ipv4_addr_b64	IPv4-Base64url	1	IPv4 address displayed as Base64-url: 'wKgA_g'
5	ipv6_addr_s	IPv6-String	1	IPv6 address displayed as type-specific string (colon-hex): ''
6	ipv6_addr_x	IPv6-Hex	1	IPv6 address displayed as hex: ''
7	ipv6_addr_b64	IPv6-Base64url	1	IPv6 address displayed as Base64-url: ''
8	ipv4_net	IPv4-Net	1	IPv4 Network CIDR string
9	ipv6_net	IPv6-Net	1	IPv6 Network CIDR string

Hashes (Map)

ID	Name	Type	#	Description
1	md5	Bin-128	0..1	MD5 hash as defined in RFC3121
4	sha1	Bin-160	0..1	SHA1 hash as defined in RFC3174
6	sha256	Bin-256	0..1	SHA256 as defined in RFC6234

Bin-128

Type Name	Base Type	Description
Bin-128	Binary.x [16..16]	128 bit value, hex display

Bin-160

Type Name	Base Type	Description
Bin-160	Binary.x [20..20]	160 bit value, hex display

Bin-256

Type Name	Base Type	Description
Bin-256	Binary.x [32..32]	256 bit value, hex display

IPv4-Hex

Type Name	Base Type	Description
IPv4-Hex	Binary.x [4..4]	Value must be 32 bits [4..4]. Value displayed in hex (Binary.x)

IPv4-Base64url

Type Name	Base Type	Description
IPv4-Base64url	Binary [4..4]	Value must be 32 bits [4..4]. Value displayed in base64url (Binary) default

IPv4-String

Type Name	Base Type	Description
IPv4-String	Binary.s:ipv4-addr [4..4]	Value must be 32 bits [4..4]. Value displayed in ipv4 dotted-decimal (Binary.ipv4-addr)

IPv6-Hex

Type Name	Base Type	Description

IPv6-Hex   Binary.x [16..16]   Value must be 128 bits [16..16]. Value displayed in hex (Binary.x)

IPv6-Base64url

Type Name	Base Type	Description
IPv6-Base64url	Binary [16..16]	Value must be 128 bits [16..16]. Value displayed in base64url (Binary) default

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IPv6-String

Type Name	Base Type	Description
IPv6-String	Binary.s:ipv6-addr [16..16]	Value must be 128 bits [16..16]. Value displayed in ipv6 colon-hex (Binary.ipv6-addr)

IPv4-Net (Array.s:ipv4-net)

ID	Type	#	Description
1	Binary	1	address
2	Integer	1	prefix_len

IPv6-Net (Array.s:ipv6-net)

ID	Type	#	Description
1	Binary	1	address
2	Integer	1	prefix_len

Args (Map)

ID	Name	Type	#	Description

Specifiers (Map)

ID	Name	Type	#	Description

Results (Map)

ID	Name	Type	#	Description
1	knps	KNP	0..n	Generic set of key:number pairs.
42	battery	Battery-Properties	0..1	Set of custom properties defined for an energy storage device

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KNP (Array)

ID	Type	#	Description
1	String	1	key -- name of this item
2	Number	1	value -- numeric value of this item

Battery-Properties (Map)

ID	Name	Type	#	Description
7	voltage	Integer	0..1	Battery output voltage (millivolts)
18	charge	Percentage	0..1	State of charge (percent)
26	model	String	0..1	Product name for this device

Percentage

Type Name	Base Type	Description
Percentage	Number [0..100]	Real number in the range 0.0-100.0