

Resource identification

Internal Id

Once you add a DeviceExt, a PointExt or any extensions from a real-time connector into a Niagara component, the component will get a unique identifier (using the InfoSource automatically added).

Example with a DeviceExt:

IconFolder (Folder)		
icon	module://icons/xl6/page.png	
example	Flex View	
NumericWritable	- {null} @ def	
BooleanWritable	- {null} @ def	
MongoDeviceExt	Mongo Device Ext	
InfoSource	Info Source	
b:id	V0T1Mk0pMf0kBOa8jFSSp	

Example with a PointExt

N

NumericWritable

-{null}@def

Facets

units=null,precision=1,min=-inf,max=+inf

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Proxy Ext

null

Out

- {null} @ def

In1

- {null}

In2

- {null}

▼

In3

- {null}

▼

In4

- {null}

▼

In5

- {null}

▼

In6

- {null}

▼

In7

- {null}

▼

In8

- {null}

In9

- {null}

▼

In10

- {null}

▼

In11

- {null}

▼

In12

- {null}

▼

In13

- {null}

▼

In14

- {null}

▼

In15

- {null}

▼

In16

- {null}

▼

Fallback

- {null}

▼

Override Expiration

null

InfoSource

Info Source

b:id

e0T1M1DDY3Pfkn1ZAT8vd

This id is very unique in your station and from any other stations (except if you copy-paste) making it a precious information for a third party that needs to uniquely identify each source of data.

This is only an internal id so far.

External Id

The external id defines how the resource from Niagara (Device, Point, Schedule...) will be uniquely identified in the third party database or platforms. Examples:

On Microsoft IoT Hub (including in the example the name and the internal id)






Device ID	Status	Last Status Update	Authentication Type	Cloud to Device Message Count
Folder_n0SyT93ptEsDLy1i7dmgs	Enabled	--	Sas	0

On MongoDB (internal id only)

```
_id: "o0SyFlj05UB2tJ74Q3qi2"  
deviceId: "w0SsQipQKveSTKPFyMvtQ"  
pointId: "o0SyFlj05UB2tJ74Q3qi2"  
status: "{ok}"  
timestamp: "2022-03-28T12:27:54.762+02:00"  
value: 48804  
> tags: Object
```

This External id is defined on the Realtime connector folder and is common to the whole station.

You can choose to use the name, the displayName, the internal id (b:id)...

Realtime Connector (Realtime Connector Folder)		
 Device Id Format	<input type="text" value="%b:id%"/>	
 Point Id Format	<input type="text" value="%b:id%"/>	
 Schedule Id Format	<input type="text" value="%displayName%_%b\$3aid?id%"/>	