



Configuring the Attribute Assistant's Top 10 Rules

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Demo Theater

What is the Attribute Assistant

An ArcMap Add-in

- **Editor Extension**
- **Configured through a GDB table**
- **A large set of rules that are triggered when**
 - **A feature or row is created**
 - **A features geometry is modified**
 - **A feature or rows attribute is changed**
 - **Manually for batch processing**

How does it help

Streamlining your editing experience

- **Increased productivity**
- **Reduces buttons clicks**
- **Ensures quality of data**
- **Ensure data entry**
- **Preform complex operations**

Where can I get it?

A standalone version is not provided

- **Water Utility Network Editing**
- **Address Data Management**
- **Flood Planning**
- **Campus Editing**
- **Special Event Planner**
- **Sign Inventory**
- **Signal Inventory**
- **Streetlight Inventory**
- **Pre-Incident Planning**
- **Road Network Management**
- **Tax Parcel Editing**

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Quick view of the components

- Attribute Assistant Toolbar



- Generate ID Table

SEQNAME	SEQCOUNTER	SEQINTERV
ADDRESSPOINTID	52	1
ADDRESSENTRANCEID	4	1
SITEADDRESSID	11	1
PSTLADDID	5	1
CENTERLINEID	12	1
IMPACTID	1	1
LEVEEID	1	1

- Dynamic Value Table

TABLERNAME	FIELDNAME	VALUEMETHOD	VALUEINFO	ON_CREATE	ON_CHANGE	ON_CHANGE GEO
MasterStreetName	FULLNAME	CASCADE_ATTRIBUTE	SiteAddressPoint\FULLNAME	False	True	False
FacilitySite	NAME	CASCADE_ATTRIBUTE	FacilitySitePoint\NAME	False	True	False
*	LASTEDITOR	CURRENT_USER		True	True	True
SpecialEvent	EVENTID	EXPRESSION	("EV-" & [OBJECTID])	True	False	False
SiteAddressPoint	FULLADDR	EXPRESSION	Trim([ADDRNUM] + " " + [FULLNAME	True	True	False
MasterStreetName	FULLNAME	EXPRESSION	[ROADPREDIR] + " " + [ROADNAME]	True	True	False
SiteAddressPoint	ADDRNUM	EXPRESSION	([PREADDRNUM] + " " + [ADDRNUM]	True	True	False
FacilitySite	FACILITYID	EXPRESSION	("FAC-" & [OBJECTID])	True	False	False
Levee	CUBYRD	EXPRESSION	((([SHAPE_Length]*[HEIGHT])*[SIDES	True	True	False
Levee	TOTCOST	EXPRESSION	([CUBYRD]*[CSTCUBYRD])	True	True	False
Street	RECLLENGTH	EXPRESSION	[SHAPE_Length]/5200	True	False	True

Top 10 Rules

Generate identifier
Intersecting features
Expression
Validate attribute lookup
Previous Value
Cascade attributes
Intersect Stats
Last Value
Rotation
To/From Junction

A few tips

The solution apps provide a great starting point

- **Use the solution apps and help to learn the rules**
- **Start with a blank Dynamic Value Table**
- **Iterate when developing your rule base**
- **Does work in a versioned environment**
 - **Do not version the Generate ID Table**

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