

IT1 STUFF2GLUE

A quick guide

Automated documentation of switches & firewalls..

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HOW DOES IT WORK?

IT1 Stuff2Glue is a console application (so easy to use with any automation) created in C#.

All required settings can be passed as command line arguments.

Once executed the program will do the following:

- Read all config files in a pickup folder
- Figure out what type of config file it is
- Parse these files
- Create the VLAN scheme
- Use the ITGlue API to update ITGLUE.
 - Create Firewall Configurations
 - Create Switch Configurations
 - Extrapolate the networks used by all devices and create network (LAN) objects detailing IP range, VLAN id, devices connected to it etc...
 - Create a Network object VLAN Schema and add a file to it with the VLAN scheme.

WHAT DEVICES ARE SUPPORTED?

Currently only a handful devices are supported:

- ALL Fortigate firewalls.
- HP Switches:
 - 1910
 - 1920
 - 1920S
 - 1950
 - 2910
 - 2920
 - 2930
 - 2530

If your device type is not supported, it is enough to add a function to parse this type to integrate it with Stuff2Glue.

UPDATING TO YOUR ENVIRONMENT

COMMAND LINE ARGUMENTS:

So in Program.cs at the top are some arguments. For testing it is great to have them there, but once you use a compiled version of the program you want to remove this array.

```
0 references
static void Main(string[] args)
{
    //fake input from cli
    args = new string[16];
    args[0] = "NORMAL";
    args[1] = "-OrgId";
    args[2] = "1458135";
    args[3] = "-PathToPickup";
    args[4] = "C:\\NetwerkAdministratie\\Pickup";
    args[5] = "";
    args[6] = "";
    args[7] = "-AlternativePath";
    args[8] = "C:\\Netwerkadministratie\\Alternative";
    args[9] = "-NoDelete";
    args[10] = "-Debug";
    args[11] = "-WriteHTML";
}
```

But as you can see here, there are some important settings through the command line.

- OrgId is the ITGlue organisational ID where the documentation should be placed.
- PathToPickup is where the config files are located.
- AlternativePath is where some temp files are placed, like the HTML file for the VLAN scheme.
- NoDelete prevents the program from deleting read files from the Pickup folder.
- Debug shows extra information while the program is running.
- WriteHTML tells the program to also create the VLAN scheme.
- Password is the ITGLUE API KEY.

Make sure the directories exist and the pickup folder has some config files.

SWITCHES AND FIREWALLS

In Switch and Fortigate.CS you see a line like this:

GlueConfigurationTypeID = "131054"

If your configuration ID for switches and firewalls is different, you'll need to update this value.

NETWORKS:

For networks we use a Flexible Asset. You will need to create this Flexible Asset type and update the ID on line 18 in ITGLUEAPI.cs

```
public static string configTypeID = "934595842146471";
```

Our flexible asset for networks (LAN) looks like this:

LAN

Name *

LAN

Icon

+

Pick icon

Description

LAN Configuration

You can add a very short subtitle

Enabled

Show this type to be shown in the sidebar and in Global

Fields

Name *	Required	Hint
Name	<input checked="" type="checkbox"/>	e.g. Corporate
Kind *	Show in list	Default value
Text	<input checked="" type="checkbox"/>	Use for title
Cannot be changed as data exists for this column		
Remove		
Name *	Required	Hint
Subnet	<input type="checkbox"/>	e.g. 192.168.0.0/24
Kind *	Show in list	Default value
Text	<input checked="" type="checkbox"/>	Use for title
Cannot be changed as data exists for this column		
Remove		
Name *	Required	Hint
Location	<input type="checkbox"/>	Tag location for this LAN
Kind *	Show in list	Type *
Tag	<input checked="" type="checkbox"/>	Locations
Cannot be changed as data exists for this column		
Remove		
Name *	Required	Hint
Firewall	<input type="checkbox"/>	
Kind *	Show in list	Type *
Tag	<input checked="" type="checkbox"/>	Configurations
Cannot be changed as data exists for this column		
Remove		
Name *	Required	Hint
Switches	<input type="checkbox"/>	Switches
Kind *	Show in list	Type *
Tag	<input checked="" type="checkbox"/>	Configurations
Cannot be changed as data exists for this column		
Remove		
Name *	Required	Hint
Servers	<input type="checkbox"/>	Virtual and Physical
Kind *	Show in list	Type *
Tag	<input type="checkbox"/>	Configurations
Cannot be changed as data exists for this column		
Remove		

Name * <input type="text" value="Network Diagram"/> Kind * <input type="text" value="Text"/> <small>Cannot be changed as data exists for this column.</small> <input type="button" value="Remove"/>	Required <input type="checkbox"/> Show in list <input type="checkbox"/>	Hint <input type="text" value="Embed LucidChart Diagram"/> Default value <input type="text"/> <input type="checkbox"/>
Name * <input type="text" value="Note"/> Kind * <input type="text" value="Text"/> <small>Cannot be changed as data exists for this column.</small> <input type="button" value="Remove"/>	Required <input type="checkbox"/> Show in list <input type="checkbox"/>	Hint <input type="text" value="Please add extra information (if applicable)"/> Default value <input type="text"/> <input type="checkbox"/> Use for title
Name * <input type="text" value="File"/> Kind * <input type="text" value="Upload"/> <small>Cannot be changed as data exists for this column.</small> <input type="button" value="Remove"/>	Required <input type="checkbox"/> Show in list <input type="checkbox"/>	Hint <input type="text" value="Upload floor plans and photos"/> <input type="checkbox"/>
Name * <input type="text" value="DHCP Scope"/> Kind * <input type="text" value="Text"/> <small>Cannot be changed as data exists for this column.</small> <input type="button" value="Remove"/>	Required <input type="checkbox"/> Show in list <input type="checkbox"/>	Hint <input type="text" value="e.g. 100-199"/> Default value <input type="text"/> <input type="checkbox"/> Use for title
Name * <input type="text" value="DHCP Server"/> Kind * <input type="text" value="Tag"/> <small>Cannot be changed as data exists for this column.</small> <input type="button" value="Remove"/>	Required <input type="checkbox"/> Show in list <input type="checkbox"/>	Hint <input type="text" value="Select server/device providing DHCP"/> Type * <input type="text" value="Configurations"/> <small>Cannot be changed as data exists for this column.</small>
Name * <input type="text" value="DHCP Relay"/> Kind * <input type="text" value="Tag"/> <small>Cannot be changed as data exists for this column.</small> <input type="button" value="Remove"/>	Required <input type="checkbox"/> Show in list <input type="checkbox"/>	Hint <input type="text" value="Select DHCP relay (if applicable)"/> Type * <input type="text" value="Configurations"/> <small>Cannot be changed as data exists for this column.</small>
Name * <input type="text" value="VLANs"/> Kind * <input type="text" value="Text"/> <small>Cannot be changed as data exists for this column.</small> <input type="button" value="Remove"/>	Required <input type="checkbox"/> Show in list <input checked="" type="checkbox"/>	Hint <input type="text" value="e.g. 10.30"/> Default value <input type="text"/> <input type="checkbox"/> Use for title
Name * <input type="text" value="Action"/> Kind * <input type="text" value="Text"/> <small>Cannot be changed as data exists for this column.</small> <input type="button" value="Remove"/>	Required <input type="checkbox"/> Show in list <input checked="" type="checkbox"/>	Hint <input type="text" value="If an action is required, it is mentioned here"/> Default value <input type="text"/> <input type="checkbox"/> Use for title

ITGLUE API KEY:

On line 51 of the ITGLUEAPI.cs we define the API KEY used. Make sure to edit this to the key of your environment.

```
static string key = "ABCDEFGF";
```

RUN THE APPLICATION

After updating all these items, you should be good to go to run the application and automate your documentation.