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Basic Tool Control DNA with Rest API based on Python:

The Idea of this tool is to easily configure DNA with Rest API based on a Python Code.

There is a 5 simple Steps:

- **Step1:** Modify the txt file “ip_address_pool.txt” that you can find in the general folder “Basic Tool Control DNA with Rest API based on Python”
- **Step2:** Pre-requisite step- provide – username / Password and the DNA IP Server
- **Step3:** Create a site by choose option 1, please provide the name for the site
- **Step4:** Adding Devices to the DNA Cluster, please provide your username and password.
Please Note that username/Password need to be applicable to all the devices that you want to add the cluster.
- **Step5:** Assign the Devices to the Site that you have created in Step3

Step1:

Please modify the *.txt file - ip_address_pool.txt with the list of devices IP's.

 ip_address_pool.txt - Notepad

File Edit Format View Help

10.10.10.1

10.10.10.2

Step2:

Please provide username, Password and Cluster IP.

```
C:\Users\inachman\output\Basic Tool Control DNA with Rest API based on Python\Basic Tool Control DNA with Rest API based on Pyt...
Basic Tool To Control DNAC Via REST API Based on Python Script !!, __author__ = inachman@cisco.com/idan.nachmani@gmail.com
Please Insert Your DNA Username(Required admin user that using for the GUI:admin
Please Insert your DNA Password:
Enter your DNA Cluster IP:
Multiple Choices - Please following the instructions user guide provided:
1. Create Your Building Site in DNA Cluster:
2. Add Multiple Devices from the ip_address_pool.txt file
3. Add Multiple Devices To the Site
4. To Exit Application Just Press 4
Enter Choice: _
```

Step3:

Please Choose option 1, Provide a name for you site. For example: "Test_Idan".

Once you enter then you will receive that site has been created.

Press enter for moving back to the "Multiple choices window"

```
C:\Users\inachman\output\Basic Tool Control DNA with Rest API based on Python\Basic Tool Control DNA with Rest API based on Pyt...
Basic Tool To Control DNAC Via REST API Based on Python Script !!, __author__ = inachman@cisco.com/idan.nachmani@gmail.com
Please Insert Your DNA Username(Required admin user that using for the GUI:admin
Please Insert your DNA Password:Maglev123
Enter your DNA Cluster IP: 10.56.216.87
Multiple Choices - Please following the instructions user guide provided:
1. Create Your Building Site in DNA Cluster:
2. Add Multiple Devices from the ip_address_pool.txt file
3. Add Multiple Devices To the Site
4. To Exit Application Just Press 4
Enter Choice: 1
Enter Your Building Site Name:Test_Idan
Site Test_Idan Has Been Created
Enter anything to return to main menu _
```

Step4:

Please Choose option 2, Please insert Username/Password and Enable password. **(Please note that in case that you don't have the enable password since you are working with privilege 15 then you provide any password that will be skipped by the Script)**

Once you enter then the devices will be added and created in the DNAC Cluster.

Press enter for moving back to the "Multiple choices window"

```
C:\Users\inachman\output\Basic Tool Control DNA with Rest API based on Python\Basic Tool Control DNA with Rest API based on Python.exe
Enter your DNA Cluster IP: 10.56.216.87
Multiple Choices - Please following the instructions user guide provided:
1. Create Your Building Site in DNA Cluster:
2. Add Multiple Devices from the ip_address_pool.txt file
3. Add Multiple Devices To the Site
4. To Exit Application Just Press 4
Enter Choice: 1
Enter Your Building Site Name:Test_Idan
Site Test_Idan Has Been Created
Enter anything to return to main menu
Multiple Choices - Please following the instructions user guide provided:
1. Create Your Building Site in DNA Cluster:
2. Add Multiple Devices from the ip_address_pool.txt file
3. Add Multiple Devices To the Site
4. To Exit Application Just Press 4
Enter Choice: 2
Please Insert the general username of the devices ,Please note that this user need to be unique for al the devices you adding{ username
Please Insert the general password of the devices, Please note that this user need to be unique for al the devices you adding password
Please Insert the general enable password of the devices, Please note that this user need to be unique for al the devices you adding) enable password
Device X.X.X.X Has Been Added To The Cluster
Device X.X.X.X Has Been Added To The Cluster
Enter anything to return to main menu
```

Step4:

Please Choose option 3,

Once you enter then the devices will be assigning to the site that you created in otion1.

Press enter for moving back to the “Multiple choices window”.

Enjoy