

Adding Secret to Agents using Agentverse APIs

Introduction

This guide provides details on how to use the [Agentverse hosting APIs ↗](#) to add a secret to an agent. Secrets are added to an agent to ensure they remain hidden from end users and to enhance security. Before you begin, ensure you satisfy the following pre-requisites:

- Python version greater than 3.9 and less than 3.11.
- Therequests
- library installed. You can install it using `pip install requests`
- .
- [Agentverse ↗\(opens in a new tab\)](#)
- credentials.

Steps to get API Tokens

- Go to Profile
- section in [Agentverse ↗\(opens in a new tab\)](#)
- .
- Click on button+ New API Key
- .
- Give name to your API key.
- Click on write
- for Access to all resources in Agentverse
- and click on Generate API Key

Let's explore the script for this example!

Script to add secret to agent

1. Create a Python script and name it agent-secret.py
2. using: `touch agent-secret.py`
3. Within the script have just created, import therequests
4. library:

5. Importing libraries

6. `import`
7. `requests`
8. Define the token variable with your Fauna access token:

9. Decode the refresh token

10. `token`
11. `=`
12. `'Bearer fauna_access_token'`
13. Now, input the agent's address, the name for the secret, and the value of the secret:

14. Take name of agent and secret details from user

15. `address`
16. `=`
17. `input`
18. `(`
19. `'Please enter address of agent to which you want to add the secret: '`
20. `)`
21. `name`
22. `=`
23. `input`
24. `(`
25. `"Please enter name for your secret: "`
26. `)`

```
27. secret
28. =
29. input
30. (
31. "Please enter value for your secret: "
32. )
33. Create the payload for the POST request to add the secret:
```

34. **Create Payload for post request**

```
35. data
36. =
37. {
38. 'address'
39. :
40. address
41. ,
42. 'name'
43. :
44. name
45. ,
46. 'secret'
47. :
48. secret
49. }
50. Send the POST request to the Agentverse API to add the secret:
```

51. **Post request to add secret to agent**

```
52. response_agent
53. =
54. requests
55. .
56. post
57. (
58. "https://agentverse.ai/v1/hosting/secrets"
59. , json
60. =
61. data, headers
62. =
63. {
64. "Authorization"
65. : token})
66. Check if the response status code is 200 (success) and print an appropriate message:
```

67. **Check if the response code is 200**

```
68. if
69. response_agent
70. .
71. status_code
72. ==
73. 200
74. :
75. print
76. (
77. "Secret added successfully."
78. )
79. else
80. :
81. print
82. (
83. f
84. "Failed to add secret. Status code:
85. {
```

```
86. response_agent.status_code
87. }
88. "
89. )
```

The full script should look as follows:

agent-secret.py

Importing libraries

```
import requests
```

Decode the refresh token

```
'Bearer fauna_access_token'
```

Take name of agent and secret details from user address

```
input ( 'Please enter address of agent to which you want to add the secret: ' ) name =
input ( "Please enter name for your secret: " ) secret =
input ( "Please enter value for your secret: " )
```

Create Payload for post request data

```
{ 'address' : address , 'name' : name , 'secret' : secret }
```

Post request to add secret to agent response_agent

```
requests . post ( "https://agentverse.ai/v1/hosting/secrets" , json = data, headers = { "Authorization" : token})
```

Check if the response code is 200

```
if response_agent . status_code ==
200 : print ( "Secret added successfully." ) else : print ( f "Failed to add secret. Status code: { response_agent.status_code }
" )
```

Steps to add secret to Agent using API

- Navigate to the directory where agent-secret.py script is located using your terminal.
- Open [Agentverse ↗\(opens in a new tab\)](#) and [generate API keys ↗](#)
- .
- Open script in editor and replace fauna_access_token
- .

- Runagent-secret.py
- file using:
- python agent-secret.py
- Provide agent's address, secret name and secret value.
- Try using secret name in script instead of value, for exampleAPIKey
- in our case.

Expected Output

Provide details and response on basis of secret added or not to the Agent in Agentverse.

Was this page helpful?

[Agents and Functions creation APIs](#) [How to convert native FET to and from ERC-20 FET](#)