CLAIMS

1. A method for remotely testing virtual network functions with edge gateway devices, the method comprising:

providing, by at least one processor, an application associated with receiving user inputs for testing a virtual network function (VNF) with an edge gateway device remote from the VNF;

receiving, by the at least one processor, via the application, a first user input associated with adding an image of a virtual machine instance to the application;

downloading, by the at least one processor, via the application, the image based on the first user input;

receiving, by the at least one processor, via the application, a second user input associated with instantiating a service associated with the virtual machine instance;

instantiating, by the at least one processor, via the application, the service based on the second user input;

receiving, by the at least one processor, via the application, a third user input associated with testing the VNF with the edge gateway device using the image and the service; and

executing, by the at least one processor, via the application, a test of the VNF with the edge gateway device using the image and the service based on the third user input.

2. The method of claim 1, further comprising:

receiving, via the application, a fourth user input indicative of a checksum associated with verifying the image; and

verifying the image, via the application, using the checksum,

wherein the checksum is unique to the image.

3. The method of claim 1, further comprising:

receiving, via the application, a fourth user input indicative of a type of the edge gateway device,

wherein the image is based on the type of the edge gateway device.

4. The method of any preceding claim, wherein the service comprises at least one of the following:

a single router,

a router and any of a firewall, a session border controller, a monitor, or an information technology payload, or

multiple standalone information technology payloads.

5. The method of any preceding claim, further comprising:

identifying, via the application, a uniform resource locator associated with viewing a console of the VNF,

wherein executing the test is based on the uniform resource locator.

6. The method of any preceding claim, wherein the test is any one of:

a hypertext transfer protocol (HTTP) test associated with a request port and a uniform resource locator, wherein executing the test is based on the uniform resource locator and the request port;

a Netconf test using a Netconf template, wherein executing the test is based on the Netconf template; or

an Ansible test using an Ansible playbook, wherein executing the test is based on the Ansible playbook.

7. The method of any preceding claim, further comprising:

receiving, via the application, a fourth user input to authorize the image, wherein authorizing the image is indicative of the image being tested and approved based on executing the test or

generating, via the application, based on a fourth user request, a job template comprising parameters to use when executing the test, wherein executing the test is based on the job template.

8. The method of any preceding claim, further comprising:

presenting, via the application, details associated with the image, the details comprising a download location, a download start time, a download end time, an authorization state, a host type of the edge gateway device, and a checksum associated with verifying the image.

9. A system for remotely testing virtual network functions with edge gateway devices, the system comprising memory coupled to at least one processor, the at least one processor configured to:

provide an application associated with receiving user inputs for testing a virtual network function (VNF) with an edge gateway device remote from the VNF;

receive, via the application, a first user input associated with adding an image of a virtual machine instance to the application;

download, via the application, the image based on the first user input;

receive, via the application, a second user input associated with instantiating a service associated with the virtual machine instance;

instantiate, via the application, the service based on the second user input;

receive, via the application, a third user input associated with testing the VNF with the edge gateway device using the image and the service; and

execute, via the application, a test of the VNF with the edge gateway device using the image and the service based on the third user input.

10. The system of claim 9, wherein the at least one processor is further configured to:

receive, via the application, a fourth user input indicative of a checksum associated with verifying the image; and

verify the image, via the application, using the checksum,

wherein the checksum is unique to the image.

11. The system of claim 9, wherein the at least one processor is further configured to:

receive, via the application, a fourth user input indicative of a type of the edge gateway device,

wherein the image is based on the type of the edge gateway device.

12. The system of any one of claims 9 to 11, wherein the service comprises at least one of the following:

a single router,

a router and any of a firewall, a session border controller, a monitor, or an information technology payload, or

multiple standalone information technology payloads.

13. The system of any one of claims 9 to 12, wherein the at least one processor is further configured to:

identify, via the application, a uniform resource locator associated with viewing a console of the VNF,

wherein to execute the test is based on the uniform resource locator.

14. The system of any one of claims 9 to 13, wherein the test is any one of:

a hypertext transfer protocol (HTTP) test associated with a request port and a uniform resource locator, wherein to execute the test is based on the uniform resource locator and the request port;

a Netconf test using a Netconf template, wherein to execute the test is based on the Netconf template;

an Ansible test using an Ansible playbook, wherein to execute the test is based on the Ansible playbook.

15. A computer-readable storage medium comprising instructions to cause at least one processor for remotely testing virtual network functions with edge gateway devices, upon execution of the instructions by the at least one processor, to:

provide an application associated with receiving user inputs for testing a virtual network function (VNF) with an edge gateway device remote from the VNF;

receive, via the application, a first user input associated with adding an image of a virtual machine instance to the application;

download, via the application, the image based on the first user input;

receive, via the application, a second user input associated with instantiating a service associated with the virtual machine instance;

instantiate, via the application, the service based on the second user input;

receive, via the application, a third user input associated with testing the VNF with the edge gateway device using the image and the service; and

execute, via the application, a test of the VNF with the edge gateway device using the image and the service based on the third user input.