**CLAIMS**

1. A method for testing servers provisioned in an edge computing device, the method comprising:

detecting, by at least one processor of an edge computing device, that a server has been provisioned to access a public network cloud using backbone routers of the edge computing device;

providing, by the at least one processor, a neural network for evaluating a probability that a performance of the server will satisfy performance criteria, the neural network trained, based on training data comprising labeled settings data and feature weights, to learn how indicative settings and configurations of servers are of server performance;

inputting, by the at least one processor, first settings and configurations associated with the provisioning of the server as inputs to the neural network; and

generating, by the at least one processor, using the neural network, based on the inputs and the training data, a confidence score indicative of the probability.

2. The method of claim 1, wherein the first settings and the configurations comprise all settings and configurations selected for the server for the provisioning of the server.

3. The method of claim 1 or 2, further comprising:

determining, using the neural network, a subset of the first settings and the configurations to monitor for the server.

4. The method of claim 3, wherein determining the subset occurs without user selection of the subset.

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

determining that the confidence score is below a threshold score; and

presenting an indication to a user that the confidence score is below the threshold score; or the method further comprising:

detecting a drift of the settings of the edge computing device compared to threshold performance criteria; and

determining, based on a comparison of the settings and the configurations to an existing network topology implemented using the edge computing network device, a cause of the drift.

6. The method of any preceding claim, further comprising either:

presenting, to a user, an indication of the cause of the drift; or

updating, based on the confidence score, criteria with which the neural network is to generate the confidence score.

7. A system for testing servers provisioned in an edge computing device, the system comprising:

at least one processor of the edge computing device coupled to memory of the edge computing device, wherein the at least one processor is configured to:

detect that a server has been provisioned to access a public network cloud using backbone routers of the edge computing device;

provide a neural network for evaluating a probability that a performance of the server will satisfy performance criteria, the neural network trained, based on training data comprising labeled settings data and feature weights, to learn how indicative settings and configurations of servers are of server performance;

input first settings and configurations associated with the provisioning of the server as inputs to the neural network; and

generate, using the neural network, based on the inputs and the training data, a confidence score indicative of the probability.

8. The system of claim 7, wherein the first settings and the configurations comprise all settings and configurations selected for the server for the provisioning of the server.

9. The system of claim 7 or 8, wherein the at least one processor is further configured to:

determine, using the neural network, a subset of the first settings and the configurations to monitor for the server,

preferably wherein to determine the subset occurs without user selection of the subset.

10. The system of any one of claims 7 to 9, wherein the at least one processor is further configured to:

determine that the confidence score is below a threshold score; and

present an indication to a user that the confidence score is below the threshold score.

11. The system of any one of claims 7 to 10, wherein the at least one processor is further configured to:

detect a drift of the settings or the edge computing device compared to threshold performance criteria;

determine, based on a comparison of the settings and the configurations to an existing network topology implemented using the edge computing network device, a cause of the drift.

12. The system of any one of claims 7 to 11, wherein the at least one processor is further configured to either:

present, to a user, an indication of the cause of the drift; or

update, based on the confidence score, criteria with which the neural network is to generate the confidence score.

13. A device for testing servers provisioned in an edge computing device, the device comprising at least one processor coupled to memory, the at least one processor configured to:

detect that a server has been provisioned to access a public network cloud using backbone routers of the edge computing device;

provide a neural network for evaluating a probability that a performance of the server will satisfy performance criteria, the neural network trained, based on training data

comprising labeled settings data and feature weights, to learn how indicative settings and configurations of servers are of server performance;

input first settings and configurations associated with the provisioning of the server as inputs to the neural network; and

generate, using the neural network, based on the inputs and the training data, a confidence score indicative of the probability.

14. The device of claim 13, wherein the first settings and the configurations comprise all settings and configurations selected for the server for the provisioning of the server.

15. The device of claim 13 or 14, wherein the at least one processor is further configured to:

determine, using the neural network, a subset of the first settings and the configurations to monitor for the server,

preferably wherein to determine the subset occurs without user selection of the subset.