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(54) **METHODS AND SYSTEMS FOR AUTOMATIC NETWORK TOPOLOGY DEVIATION DETECTION**

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(57) **ABSTRACT**

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In an embodiment, a method of network deployment involves at a cloud server, receiving network device information of a network device when the network device is connected into a network, and at the cloud server, automatically performing network topology deviation detection for the network device based on a planned network design, the network device information, and port type information of a network port of the network device through which the network device is connected to the network.

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