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(54) **DYNAMICALLY ENABLING DEBUGGING OVER THE INTERNET**

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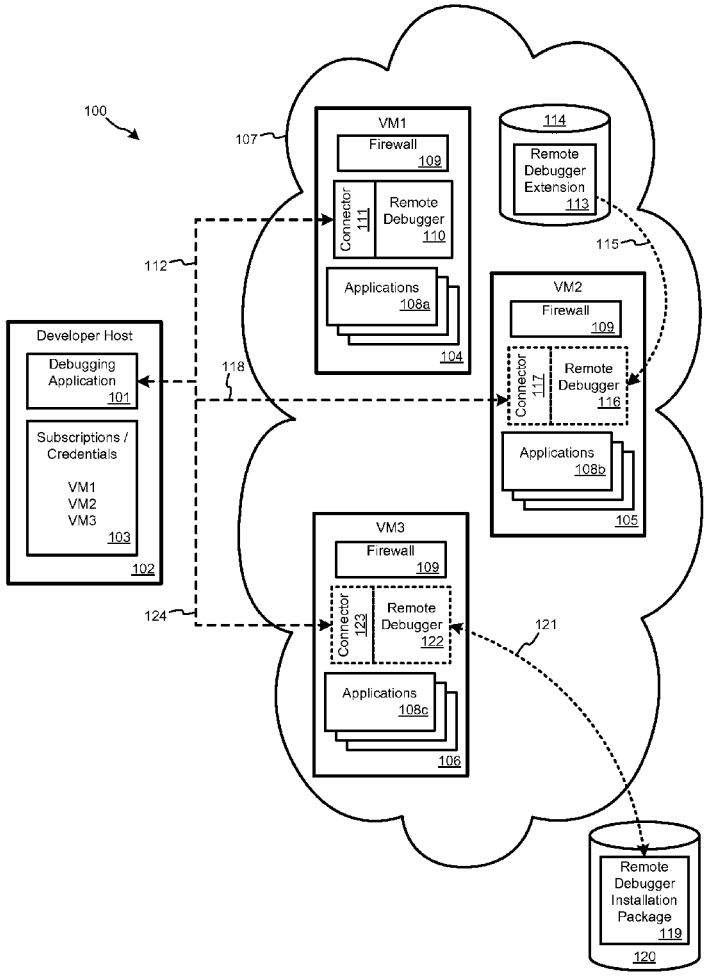
(57) **ABSTRACT**

Debugging capabilities for software running in a cloud-computing environment are disclosed. Embodiments enable developers to debug any process running on a virtual machine hosted in a remote data center, virtual network, or cloud services environment over the Internet through a secured connection without manually installing and configuring a remote debugging monitor. A debugger module is dynamically installed and configured on a remote machine over the Internet through an extension model. In another embodiment, a debugger module is dynamically installed and configured on a remote machine over the Internet through a remote scripting approach. A secure connection is automatically established between debugger application components and debugging components on the remote machine.