

HPE Looks to Simplify 5G Deployments

Written by Alice Marshall
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HPE announces an open source program to simplify the management of "big networks," or large-scale geographically distributed physical infrastructure deployments-- the Open Distributed Infrastructure Management initiative.



Launched in collaboration with Intel and with support from a number of industry leaders, including Apstra, Red Hat, Tech Mahindra and World Wide Technology, the program aims to simplify the rollout of 5G networks across multiple sites equipped with infrastructure from multiple vendors and different generations of technology. The project is open source, set under the Linux Foundation, and will enable the end-to-end automated network management able to scale geographically while supporting multi-vendor deployment.

HPE also has the Open Distributed Infrastructure Management Resource Aggregator, an enterprise offering able to model infrastructure elements in every site, simplifying infrastructure automation across resources, vendors and geographical locations. It includes HPE telco core and edge infrastructure blueprints, and will be delivered as-a-service via the HPE GreenLake cloud.

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“5G and Edge Computing industry initiatives will require large-scale and geographically distributed multi-vendor infrastructure deployments that can only be cost effectively realized with infrastructure-as-code automation,” HPE says. “The Open Distributed Infrastructure Management initiative tackles network scalability challenges and the costs associated with vendor lock-in by enabling multi-vendor infrastructure deployments, the centralized deployment of standards-based fault and configuration management, and the aggregation of resource-specific status information.”

The company plans to launch a commercially supported version of the open source solution, along with infrastructure-specific plug-in components, in Q2 2020. The solution will leverage industry-defined specifications, including DMTF Redfish interfaces, to enable a vendor-neutral approach to resource management.

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