

## Hewlett Packard Enterprises and Samsung Team Up to Help Bring 5G Into the Present

On February 19, 2019 it was announced that Hewlett Packard Enterprises and Samsung Electronics Co., Ltd. would be teaming up on quite a big undertaking. What is it that two powerhouses such as Hewlett Packard Enterprises (H.P.E.) and Samsung Electronics Co., Ltd. could be uniting for? Well, the two aim to help speed up the process of communication service providers employing 5G services to customers. The combined forces believe that 5G will completely reinvent every sector of our society. They will be utilizing their respective strengths to provide solutions that will help providers enact a smooth transition into 5G.

Those of you out there are probably wondering what exactly is 5G and what will having a 5G network do? In short, 5G is a brand new generation for mobile broadband. The principal idea behind it is that it will exponentially increase downloading and uploading speeds, as well as to decrease the amount of time it takes for devices to communicate with each other. Currently we operate under a 4G LTE digital broadband, an efficient albeit slower broadband speed. This technology could mean massive advancements in pretty much every sector of our world; from autonomous vehicles that can communicate with other vehicles, to increased safety in public safety and infrastructure, to even precision surgeries for patients in healthcare. It's something that has been in the works for years, and H.P.E. and Samsung are here to help bring us to the next level.

With this idea, how exactly do H.P.E. and Samsung plan on helping bring providers into this new world of technology? Samsung will be making their 5G Virtual Radio Access Networks (vRAN) solution available commercially, which will in-turn be used with the new H.P.E. Edgeline EL8000 Converged Edge System. In addition, the two will be putting out their joint 5G core solutions. The Samsung Packet Core software products will be used with specific HPE 5G core network function software products. Together they'll use the HPE Shared Data Environment and service-based architecture. All of this is in the hopes to help make the transition to 5G, accounting for period of overlap from existing 4G and 3G networks.

Hewlett Packard Enterprises and Samsung Electronics Co., Ltd are looking towards the future with this union. Taking these steps, they believe they will help communication service providers streamline services to 5G. Pricing for these united solutions will be released in the later half of 2019.

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