**Assignment #5: Scale-Up and Scale-Out**Chandler Ford | October 3, 2018

**Difference**

* Scale-up is adding more resources to an existing system (i.e. more memory, storage, network, etc.). Uses the same general architecture –you are improving the hardware side of things. The challenges are the time it takes to get these additional resources.
* Scale-out is adding more infrastructure capacity or using a distributed service. Uses distributed architecture – you are adding more systems. There are security risks present in a move to the cloud.

**Sources**<https://bit.ly/2IzNgMz>

<https://bit.ly/2P9us99>

<https://bit.ly/2y4zPAj>

<https://bit.ly/2rsMPgK>