

Network embedded test-beds, such as PlanetLab and GENI, are gaining popularity as a tool to demonstrate viability of disruptive technologies inside production networks. Recently, it has also become prominent to build such test-beds in different scopes, e.g., within a country, in a region, among a group of researchers. This activity is most represented by private PlanetLabs where we aim to enable innovative features on top of the current PlanetLab software. Utilizing our private PlanetLab, we are trying to identify several key technologies to enable in order to explore design spaces for our future network architectures. We are introducing recent activities in Japan in this respect and sharing our speculation with other people of the same interest.