Composable Infrastructure offers an optimal method to generate speed, agility, and efficiency in data centers. But how do you prepare to implement the solution? Here's a checklist of items you might consider when preparing to install and deploy your composable infrastructure solution.

Understand Business Goals

Meet with stakeholders to understand their priorities and communicate IT objectives; business priorities may include cost-savings, better resource utilization, and the ability to easily scale with ever-changing business needs. Then demonstrate how an infrastructure upgrade can meet those goals. For example, prolonging the life of expensive hardware leads to cost savings, while virtualization and automatic provisioning of resources leads to better utilization, and composable infrastructure leverages industry-standard data center components to deliver a flexible, scalable architecture.

Take Inventory

Consider the IT plans you wish to accomplish with the upcoming infrastructure upgrade. Think about new priorities. Do you need to maintain legacy infrastructure? Is implementing AI/ML a goal? Consider the ideal system that IT needs to run specific tasks. Does this system require high-speed memory, multiple GPU, high-speed storage, or all of the above? Focus on the ideal server for each task and what equipment IT will need to build this system.

Research Composable Infrastructure Solutions

With devices, systems, and business goals in mind, research composable infrastructure solutions. Consider a solution that fits your demanding data center workloads. Some things to consider: What devices does the fabric support? How easily does the software enable automation and policies to intuitively shift resources from one task to another? Does the solution allow you to build exactly the system you need when you need it? Request virtual and in-person demos and POCs to help

Make a Plan

Decide on the metrics you will use to you measure success. Determine how to remain operational without interruption when you begin to install your composable infrastructure solution. Should you undertake a pilot program?

Prepare your team

Consider how will you train IT employees to read and understand metrics. Think about addressing the changing dynamic between DevOps and IT. Discuss how automated operations and design workflows will change to benefit the team as a whole.

Create a contingency plan

Now that IT can implement high availability at a more granular level, how does this change your HA planning? Should a node fail, how will your team work to adjust? Think about the different ways automation augments your disaster recovery.

Implement

Now that you have the ideal composable solution for your data center, a plan in place, and a fully prepared and trained team, it's time to deploy your solution.

Experiment

Software-defined infrastructure allows for faster disaggregated deployment, which provides myriad benefits throughout your enterprise. Test early-stage applications, adopt more productive development workflows, and deploy with confidence. With a faster time-to-market, development teams can experiment and test without waiting on new equipment, and new, discreet equipment can be deployed as required.

Break free from the physical barriers of static, motherboard-centric architectures with Liqid's composable infrastructure solutions and services. Request a demonstration to see how Liqid can provide cost-savings, agility, faster time-to-market, and up to 4X improvement in data center resource utilization.