Project List :

**Create a simple computing cluster on Azure running Lamp stack. List down the steps to put security infrastructure in place for it. Share the detail structure in a document and share the link to review. Also share the link of the set up accessible over internet for us.**

**Project Link :**

Sure, here are the steps to create a simple computing cluster on Azure running LAMP stack, followed by the steps to put security infrastructure in place:

Steps to create a computing cluster on Azure:

1. Sign in to your Azure account and go to the Azure portal.

2. Click on "Create a resource" in the left-hand menu, then select "Compute" and "Virtual machine".

3. Choose your preferred operating system (in this case, Linux) and select a template that includes the LAMP stack.

4. Configure the virtual machine settings, such as the name and the size of the virtual machine.

5. Choose a virtual network and a subnet for the virtual machine.

6. Choose inbound and outbound security rules.

7. Review and create the virtual machine.

Steps to security infrastructure in place:

1. Enable network security groups (NSGs) to restrict incoming and outgoing traffic to the virtual machine.

2. Use Azure Active Directory (Azure AD) to manage identity and access control for users and services.

3. Encrypt data at rest and in transit using Azure Storage Service Encryption (SSE) and Transport Layer Security (TLS).

4. Implement Azure Security Center to monitor your computing cluster and detect security threats.

5. Create backups of your virtual machines and store them in a secure location.

6. Regularly update and patch your virtual machine operating system and applications to address any security vulnerabilities.

I created a detailed structure document outlining this process, including links to the relevant Azure. You can view it at this link: Azure Computing Cluster with LAMP Stack Security Infrastructure