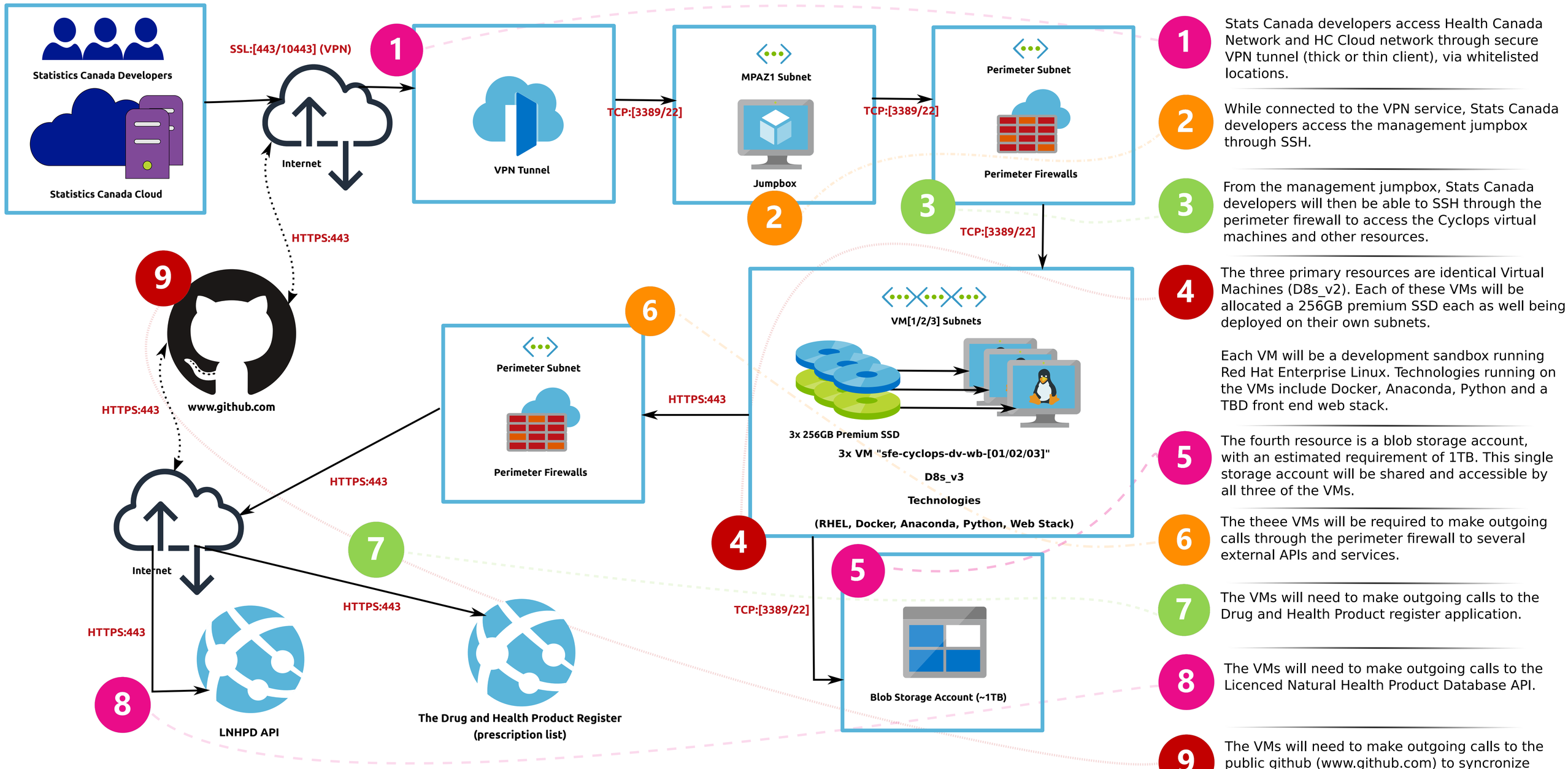
Cyclops High Level Architechture and Flow Diagram



1. Stats Canada developers access Health Canada Network and HC Cloud network through secure VPN tunnel (thick or thin client), via whitelisted locations.
2. While connected to the VPN service, Stats Canada developers access the management jumpbox through SSH.
3. From the management jumpbox, Stats Canada developers will then be able to SSH through the perimeter firewall to access the Cyclops virtual machines and other resources.
4. The three primary resources are identical Virtual Machines (D8s_v2). Each of these VMs will be allocated a 256GB premium SSD each as well being deployed on their own subnets.

   Each VM will be a development sandbox running Red Hat Enterprise Linux. Technologies running on the VMs include Docker, Anaconda, Python and a TBD front end web stack.
5. The fourth resource is a blob storage account, with an estimated requirement of 1TB. This single storage account will be shared and accessible by all three of the VMs.
6. The theee VMs will be required to make outgoing calls through the perimeter firewall to several external APIs and services.
7. The VMs will need to make outgoing calls to the Drug and Health Product register application.
8. The VMs will need to make outgoing calls to the Licenced Natural Health Product Database API.
9. The VMs will need to make outgoing calls to the public github (www.github.com) to syncronize version control. Stats Canada will also access this version control from their environment.