Enterprise Console and Controller Installation Requirement

- AppDynamics Application Performance Management (APM)

Installation Requirement

Enterprise Console is the installer for AppDynamics Controller and events service and is used to install and manage the entire lifecycle of On premise AppDynamics environment – New and existing .

With Enterprise console you can discover, install and upgrade controllers and events service.

Note: Enterprise console cannot be used to install End User Monitoring Server

Installation Requirement

Enterprise Console

- 2 CPU Cores
- 1 GB Free Ram
- 3GB HDD Space

General Controller Hardware requirement
- Should be Installed on a dedicated machine
- Controller is not supported on PowerPC Processors
- 200MB free space is required in temp directory.
- Low latency disk IO is a required.
- Controller storage must not exceed 3ms write latency

Installer Performance Profile	Maximum Metric Count/Minute	Estimated Max Number of Nodes	Minimum Hardware Profile			
			CPU	RAM	Disk Size	Notes
Demo	10 K	5	2 Cores	3 GB	50 GB	Suitable for a laptop installation.
Small	50 K	50	8 Cores	16 GB	400 GB	
Medium	100 K	100	16 Cores	64 GB	2 TB	Maximum profile supported on VM. See Prepare Virtual Machines for the Controller.
Large	5 M	10,000	28 Cores	512 GB	20 TB / 10 SAS SSDs using 2 NVMe cards	Linux only. Not supported on VM. Requires additional system tuning. See Tuning for Large Profile Controllers and Prepare Linux for the Controller.

Courtesy: AppDynamics Docs.

Other Installation Considerations

- Time Synchronization
- No other MySQL instance must be running
- Virtual memory Size (pagefile on Windows and Swap Space on linux) should be at least 10GB but ideally 20GB is preferable.
- Network Ports Considerations. See link
- User account installations must have read, write execute permission on the directory where you plan to install the Controller
- Write permission is also required for /etc/.java/.systemprefs directory (Linux)

Preparing Host Operating System for Installation - Linux

- Installation account must have read, write and execute permission on Controller installation directory.
- Verify that your linux flavor has – Netstat network utility -- "yum install net-tools"
- Ensure linux libio library is installed
- Configure the user limits. AppDynamics recommends the following hard and soft limits
  - Open File descriptor limit (nofile): 65535
  - Process Limit (nproc): 8192

Preparing Host Operating System for Installation - Linux

```
[root@localhost /]# ulimit -S –n
[root@localhost /]# ulimit -H -n


[root@localhost /]# ulimit -S –u

[root@localhost /]# ulimit -H -u

/etc/security/limits.d/appdynamics.conf
```
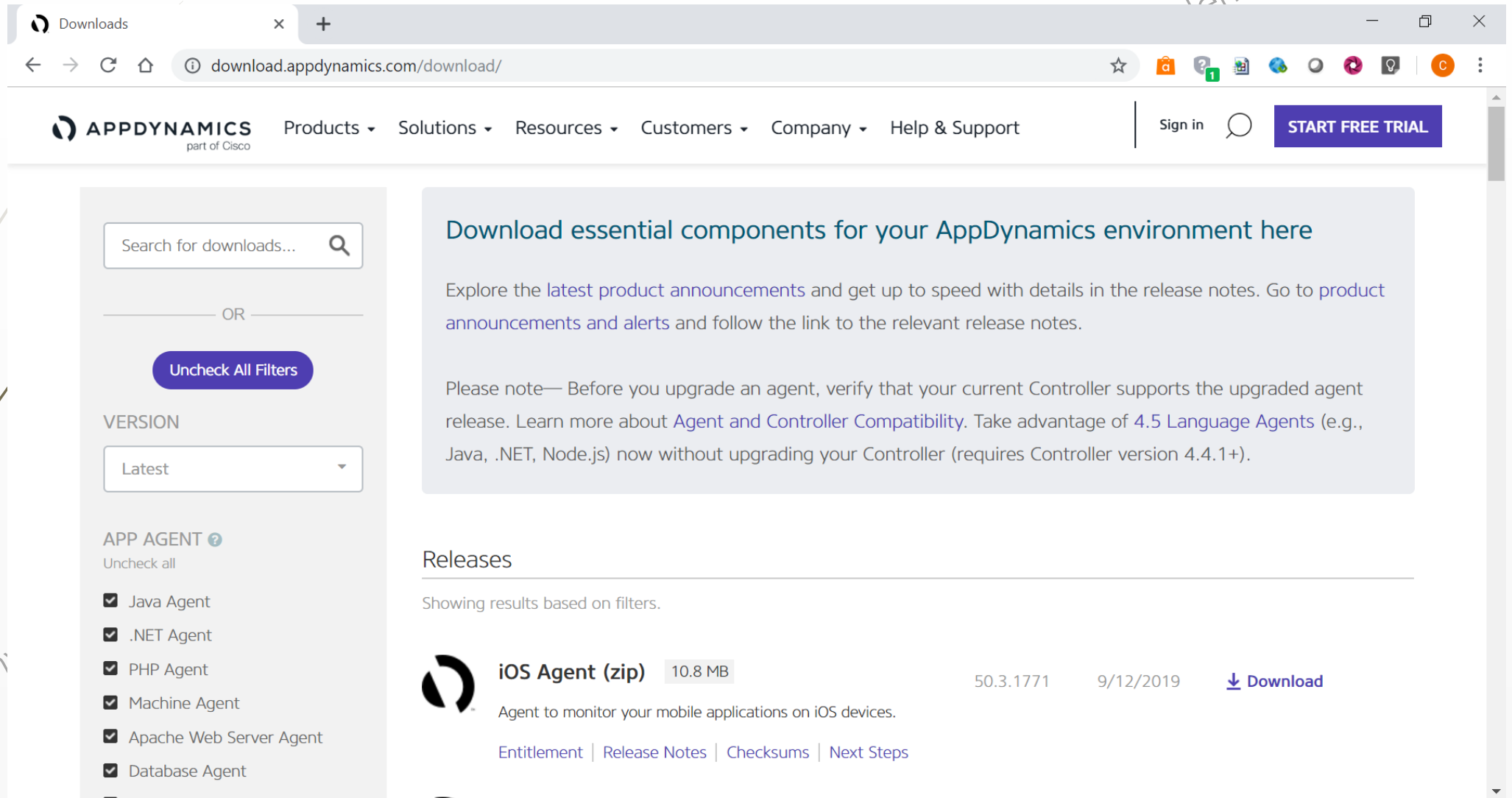
Preparing Host Operating System for Installation - Windows

- Installation account must have administrative rights on the host windows machine.
- Configure virus scanner and windows defender to exclude the entire AppDynamics Controller, database, enterprise console directory. The must be configured to trust AppDynamics executables like mysqld.exe, analytics-processor.exe, appdynamicsreportingservice.exe and AppDynamicsDomain1Service.exe.
- Windows Indexing service must also be configured to exclude controller directory.
- Install .NET framework 3.5 which is required for the installation. Installer checks for this.

Downloading AppDynamics Binaries

Logon to AppDynamics website https://download.appdynamics.com and