ProctorCache Recommendation for MCAS Computer-Based

Testing

Below is a recommendation on whether schools should use Pearson's ProctorCache software. ProctorCache precaches test content onto a designated machine in a school to reduce bandwidth requirements. ProctorCache stores test content, but does **not** store student responses.

Since 97 percent of Massachusetts districts meet the 100 Kbps/student federal recommendation for digital learning and online testing, ProctorCache is **only** recommended for schools who do not pass the Network Check in TestNav. ProctorCache is not recommended for schools that pass the Network Check, because it can cause more errors to occur, and item load times are virtually identical regardless of whether ProctorCache is used or not.

Network Check Result	ProctorCache Recommendation for Schools That Used ProctorCache in their Last CBT Administration	ProctorCache Recommendation for Schools That Did <u>NOT</u> Use ProctorCache in their Last CBT Administration
Pass	Disable ProctorCache prior to the Infrastructure Trial.	Do not install ProctorCache software.
Warning	Use ProctorCache.	Install ProctorCache.
Connection Failed	Verify network connection and run test again.	Verify network connection and run test again.

Schools will need to take the following actions based on the results of their Network Check.

Follow the instructions below to determine whether your school needs to use ProctorCache.

Running the Network Check in TestNav

While on the school's network, in the TestNav app, click on the user drop-down and select **App Check**.



On the next screen, click on Run Network Check.

Enter a configuration identifier or click "Run App Check" to run the
оегаштарр спеск.
Configuration Identifier (optional):
Configuration Identifier

On the following screen, you will be asked to enter a number of devices. This number should match as closely as possible the number of devices that will be used in the school during testing on test day. Once a number has been entered, click on **Start Diagnostics Test**.

Network Check		× Cancel
Estimate a school or tes online testing.	t center's capacity t	o conduct
Number of devices]	
Start Diagnostics Test		

Following this test, you will receive a message informing you whether ProctorCache is recommended based on your network and number of devices entered.

If ProctorCache is not recommended, you will receive a message with a green Pass icon.

Download			10.31 Mbp
Speed Test			
et Desuite			
st Results Pas	s		
st Results Pas	s ad on your system, you sho	uld be able to test at this	location.

If Proctor Cache is recommended, you will receive a message with an orange Warning icon.

Network Diagnostics

Download Speed Test	6.08 Mbps
Test Results (Warning) Given the current load on your system, you cannot successfully test at th	nis location.
Proctor Cache is recommended	

When the Network Check is used and the bandwidth test detects a 0 Mbps download speed, you will receive a message with a red **Connection Failed** icon.

Download	0 Mbps
Speed Test	
et Posulte	
St Results Connection Failed	

Instructions to Disable and Re-Enable the ProctorCache Configuration

To disable the existing ProctorCache configuration in PearsonAccess Next, follow these steps:

- 1. Click on Setup and TestNav Configurations.
- 2. Click the drop-down next to the **Search** button and click **Show All Results**.
- 3. Select your configuration and click the **Select Tasks** drop-down, select **Create/Edit TestNav Configurations**, and click **Start.**
- 4. Select your configuration on the left side of the screen and scroll down to the **Precaching Computers** section.
- 5. Delete the content in the **IP Address** and **Port** fields and then click **Save**.

To re-enable ProctorCache after disabling, follow the same steps and re-apply the **IP Address** and **Port** fields (these fields are shown in the screen shot below).

FSE Test	Save
Configuration Name*	
FSE Test	
Precaching Computer Override 0	
Organizations"	
* PEARSON DEMO SCHOOL (11331133)	
Precaching Computers (1) Add	
FSE Caching	Response File Backup Locations
Computer Name*	Please use the following format for SFTP file backup location: sftp://cuserid>: <password>@<address>:<port>/path</port></address></password>
FSE Caching	
Detail a complete used for passions.	Windows, Primary Location O
Detault computer used for sessions	Use default user directory
IP Address	Windows, Secondary Location 0
<u>L</u>	sftp://FSETest:FSETest123@10.0
Port	MAC, Primary Location 0
	Use default user directory
Configuration Identifier 0	MAC Secondary Location O
4JE7WE6P2A	new, www.new/ www.www.

It is recommended that schools do not use a MacOS for ProctorCache machine, but schools that are unable to find another device type should contact the MCAS Service Center for support.

Best Practices for Using ProctorCache

If ProctorCache is needed, a ProctorCache machine at the school level is recommended (a machine at the district level is not recommended). Schools with district configurations have reported connectivity and/or log in issues with larger numbers of students connecting to a single ProctorCache, which can overload the machine.

It is also recommended that the device selected to act as the ProctorCache machine during testing is reserved for this purpose only. A device performing other functions in the school can result in delays when students navigate from one question to the next during testing.

Schools can set up a call with Technology Support Specialists prior to testing to discuss their ProctorCache set-up. This is also an opportunity for technology coordinators to receive support with questions related to the following topics:

- Technology set-up and site readiness
- TestNav, including TestNav configurations in PearsonAccess^{next}
- Infrastructure Trials (set-up as well as debriefing)