



Access By Examscreen: Installation & Deployment Guide (Version 2.0)

This guide provides instructions for installing, activating, and deploying **Access By Examscreen** across your school's network.

Minimum System Requirements

The application is designed to be lightweight and run on most modern school computers.

Requirement	Details
Operating System	Windows 10 or Windows 11.
Processor	1.5 GHz or faster.
RAM	4 GB or more.
Disk Space	500 MB for the application and required models.
Internet	Required for initial software activation and updates. The application can be used offline after activation.

Feature-Specific Requirements

Requirement	Details
Text to Speech (Reader)	Uses built-in Windows voices. No additional software is needed.
Speech to Text (Scribe)	Uses a hybrid model that prioritizes Azure's online service (highest quality) but automatically falls back to a built-in offline model (Vosk). The offline model is included in the installer.

Phase 1: Master Machine Setup (First-Time Only)

Before a network-wide rollout, you must configure a "Master" machine to generate your specific environment files.

1. **Download & Extract:** Access your unique link (e.g., examscreenextra.co.uk/download.php). The ZIP contains the installer and `passcode.txt`.
2. **Initial Installation:** Run `Access_By_Examscreen_Setup_v2-0.exe` as an Administrator.
3. **Licensing:** Launch the app and enter your License Key. This generates `license.json` in `C:\ProgramData\Access By Examscreen`.
4. **Passcode Migration:** On this first launch, the app reads `passcode.txt` and automatically creates the Windows System Environment Variable (`ACCESS_EXAM_PASSCODE`).
5. **Database Configuration:** In the app go in in Exam Mode and as a guest user and navigate to the Admin tab (you will need the 6 digit passcode to do this). Click on Set User Database to specify the shared location of your Candidate Database file. This writes the path to `exam_config.json` in `C:\ProgramData\Access By Examscreen`.

(note: your candidate accounts will need 'read' access to this share location, you exams team will need 'read' and 'write' access (so that they can add and edit candidates within the database). If you are unable to create a share location, candidates can enter the application as a 'Guest' and the candidate database is not required.

Phase 2: Preparing the Deployment Package

Collect these **four components** from your Master machine for your deployment package:

1. **The Installer:** `Access_By_Examscreen_Setup_v2-0.exe`.
2. **License File:** `C:\ProgramData\Access By Examscreen\license.json`.
3. **Config File:** `C:\ProgramData\Access By Examscreen\exam_config.json`.
4. **The Passcode:** The 6-digit code now located in your System Environment Variables (make a note of the number).

Phase 3: Network Deployment

Target machines require the installer to run silently, the two JSON files to be placed in C:\ProgramData, and the System Variable to be injected into the registry. Specific details relating to various deployment tools are in the appendices to this document.

Phase 4: Handline Software Updates

1. **The Process:** When alerted to an update, download the latest installer from your update link: <https://examscreenextra.co.uk/update.php?format=zip>.
 2. **Deployment:** Push the new installer .exe using flags /VERYSILENT /SUPPRESSMSGBOXES /NORESTART.
 3. **Persistence:** Existing JSON configs and System Variables will remain intact during updates.
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Appendix 1: Microsoft Intune (Win32 App Script)

Create a .intunewin package containing the installer and the two JSON files. Use this PowerShell script as your **Install Command**:

```
# 1. Install Application
Start-Process ".\Access_By_Examscreen_Setup_v2-0.exe" -ArgumentList "/VERYSILENT
/SUPPRESSMSGBOXES /NORESTART" -Wait

# 2. Create Directory & Copy Configs
$Path = "C:\ProgramData\Access By Examscreen"
if (!(Test-Path $Path)) { New-Item -ItemType Directory -Path $Path -Force }
Copy-Item ".\license.json" -Destination $Path -Force
Copy-Item ".\exam_config.json" -Destination $Path -Force

# 3. Set System Variable (Replace XXXXXX with your passcode)
[System.Environment]::SetEnvironmentVariable("ACCESS_EXAM_PASSCODE", "XXXXXX",
"Machine")
```

Appendix 2: SCCM (Task Sequence / Script)

In SCCM, create a "Script" or "Task Sequence" to handle the deployment in the **SYSTEM** context:

```
# 1. Run Installer Silently
Start-Process "Access_By_Examscreen_Setup_v2-0.exe" `
-ArgumentList "/VERYSILENT /SUPPRESSMSGBOXES /NORESTART" -Wait

# 2. Copy Configuration Files from your Distribution Point
$ConfigPath = "C:\ProgramData\Access By Examscreen"
New-Item -ItemType Directory -Force -Path $ConfigPath
Copy-Item "\\YourServer\Share\license.json" -Destination $ConfigPath -Force
Copy-Item "\\YourServer\Share\exam_config.json" -Destination $ConfigPath -Force

# 3. Set Machine-Wide System Environment Variable (replace XXXXXX with your passcode)
[System.Environment]::SetEnvironmentVariable(
"ACCESS_EXAM_PASSCODE", "XXXXXX", "Machine")

Write-Output "Access By Examscreen v2.0 Deployment Complete."
```

Appendix 3: Group Policy (GPO Startup Script)

Navigate to *Computer Configuration > Policies > Windows Settings > Scripts > Startup*. Create a PowerShell script (deploy_exam.ps1) to run on boot:

```
# 1. Install from Network Share
$InstallerPath = "\\YourServer\Share\Access_By_Examscreen_Setup_v2-0.exe"
Start-Process $InstallerPath -ArgumentList "/VERYSILENT /SUPPRESSMSGBOXES
/NORESTART" -Wait

# 2. Copy Config Files from Network Share
$TargetDir = "C:\ProgramData\Access By Examscreen"
if (!(Test-Path $TargetDir)) { New-Item -ItemType Directory -Path $TargetDir -Force }
Copy-Item "\\YourServer\Share\license.json" -Destination $TargetDir -Force
Copy-Item "\\YourServer\Share\exam_config.json" -Destination $TargetDir -Force

# 3. Create System Environment Variable (Replace XXXXXX)
[System.Environment]::SetEnvironmentVariable("ACCESS_EXAM_PASSCODE", "XXXXXX",
"Machine")
```

Appendix 4: PDQ Deploy (PowerShell Script Step)

In PDQ Deploy, create a package where the primary step is this PowerShell script. Ensure `Access_By_Examscreen_Setup_v1-7.exe`, `license.json`, and `exam_config.json` are in the same folder as the script:

```
# 1. Silent Installation
Start-Process ".\Access_By_Examscreen_Setup_v2-0.exe" -ArgumentList "/VERYSILENT
/SUPPRESSMSGBOXES /NORESTART" -Wait

# 2. Configuration Setup
$AppDir = "C:\ProgramData\Access By Examscreen"
if (!(Test-Path $AppDir)) { New-Item -ItemType Directory -Path $AppDir -Force }
Copy-Item ".\license.json" -Destination $AppDir -Force
Copy-Item ".\exam_config.json" -Destination $AppDir -Force

# 3. Set Machine-Wide Passcode (Replace XXXXXX)
[System.Environment]::SetEnvironmentVariable("ACCESS_EXAM_PASSCODE", "XXXXXX",
"Machine")

Write-Output "Access By Examscreen v2.0 Deployment Complete."
```