

Microsoft Education

A HOW-TO GUIDE FOR IT PROFESSIONALS



Leading technology starts with you

Students and teachers use Microsoft technologies to communicate, collaborate and create. They're using the cloud to transform teaching and learning. As an IT professional, you are in a position to enable this transformation while maintaining a safe and secure computing environment for the school.

Here are some step-by-step guides for you to get started with Microsoft cloud solutions for Education. This eBook covers the following topics:

[Intune for Education](#)

[Cloud Deployment for Schools](#)

[Device Management in Education](#)

Intune for Education

Microsoft Intune for Education is a cloud-based, mobile device management (MDM) service for schools. It helps your teachers and students stay productive on classroom devices, and keeps school data secure. With Intune for Education you can:

- Manage the desktop and mobile devices students use to access classroom data
- Configure and assign the apps students use in the classroom
- Apply school security requirements to devices and apps
- Control how students and teachers access and share classroom information

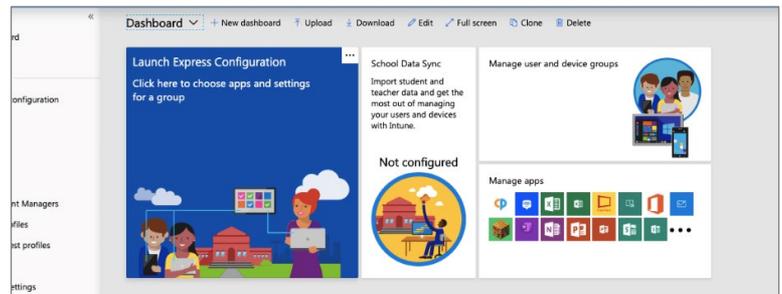
Intune for Education portal is designed to include only the settings and workflows you need to manage iOS and Windows school devices. From the portal, you can view and take action on your device, user, and app inventory.

Intune comes free with a Microsoft 365 Education subscription.



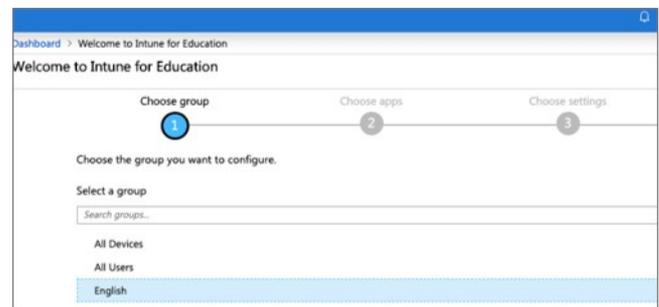
Getting Started is Quick and Easy!

1. Go [here](#) which will lead you to a UI like this:



2. Click on **Launch Express Configuration**. You'll be prompted to **Get Started**.

3. Now **select the group** you'd like to target with policies and apps.



Some things to note:

- If you've previously setup your Azure Active Directory (AAD) tenant to use Windows Store for Business, Intune will look to pull in the apps you've assigned & purchased previously.
- If you have a Student Information System, you'll now be prompted to configure the School Data Sync. To setup the School Data Sync service, visit [this page](#).

Cloud Deployment for Schools

Get started by creating your Office 365 tenant, setting up a cloud infrastructure for your school, and creating, managing, and syncing user accounts.

STEP 1: Create your Office 365 Tenant

Setting up your Office 365 tenant is the first step in getting your school to the cloud.

1. Start by visiting the [Office 365 Education Plans](#) page. If your school does not have an existing subscription, then click on Get Started for Free and Create a New Account.
2. Follow the instructions to create your new Office 365 EDU tenant.

For more information, [click here](#).

STEP 2: Secure and configure your network

To move to Microsoft 365 Education, you need to enable network connectivity to the Microsoft cloud and services.

1. Review network planning, optimization and best practices. Guides are available [here](#).
2. Configure connectivity to the Microsoft IPs and URLs defined in [this link](#).

STEP 3: Sync your Active Directory

NOTE: If you intend to integrate your on-premise Active Directory with O365, the proceed with this step. If you intend to provision cloud-only identities, proceed to Step 4.

1. The most efficient path to moving to Microsoft Education from on-premise Active Directory is using [AAD Connect](#) with [Password Sync](#) and the [Express Configuration](#).
2. If you need to manage password authentication requests from your own on-premise Active Directory, use the [Passthrough Authentication Option](#) with AAD Connect.
3. Finally, if you need on-premise managed Multi-Factor Authentication (MFA), [Active Directory Federated Services \(ADFS\)](#) will be required.

STEP 4: Sync your Student Information System (SIS)

[Deploy School Data Sync \(SDS\)](#) to evolve users to teachers and students, and to introduce grade, school and other EDU specific attributes and associations. SDS will also synchronize and create all of your classes in Office 365, for use as Office 365 Groups and Microsoft Class Teams. SDS will add teachers as class owners, and students as class members, based on the roster data stored in the SIS. SDS offers two methods for directory sync and creation.

1. Sync from your SIS using an API – Seamless API integration with several top SIS'es including PowerSchool, Sungard, Infinite Campus, Classlink, Capita SIMS, and several others.
2. Sync from CSV Files – Anys SIS which can export data to one of the three supported CSV Formats can be synced via SDS.

STEP 5: License Users

Licensing user accounts in Office 365 is important, because users can't use any Office 365 services until their account has been licensed. You can use Office 365 PowerShell to efficiently assign licenses to unlicensed accounts, especially multiple accounts.

Click here for [directions on how to use Office 365 PowerShell](#).

Get Office 365 free for your entire school.

Improve classroom and school collaboration with free productivity tools. You will need to verify that you are an accredited academic institution to take advantage of these offers.

[GET STARTED FOR FREE](#)

[STUDENTS AND TEACHERS, SIGN UP YOURSELF >](#)

Network planning and performance tuning for Office 365

01/15/2019 - 2 minutes to read - Contributors: [Icons]

Before you deploy for the first time or migrate to Office 365, you can use the information in three topics to estimate the bandwidth you need and then to test and verify that you have enough bandwidth to deploy or migrate to Office 365. For an overview, see: [Network and migration planning for Office 365](#)

Network planning [Icon]	Want fast connections and pages that load quickly? Read Setting Up Basic Connectivity and Performance in Office 365 Read Office 365 Network Connectivity Overview to accelerated concepts	Measuring your network [Icon]	Read Office 365 performance tuning using Queue and performance history and Performance monitoring Planning for Office 365 . Use these tools to evaluate your existing network.
Best practices [Icon]	Best practices for network planning and monitoring optimize performance for Office 365 . Want to get started helping your users right away? See Read plan-it-in for using Office 365 as a new network . Office 365 Network Connectivity Principles will help you understand the most recent guidance for securely optimizing Office 365 network connectivity.	Substance [Icon]	Want the details . See a list of IP addresses and ports? See the network planning solution for Office 365 .

For the steps to optimize your resources for Office 365 and other Microsoft cloud platforms and services, see the [Microsoft Cloud Networking for Enterprise](#) technical guide.

Overview of School Data Sync

04/15/2018 - 3 minutes to read - Contributors: [Icons]

School Data Sync

School Data Sync (SDS) is a free service in Office 365 for Education that reads the school and roster data from a school's Student Information System (SIS). It creates Office 365 Groups for Exchange Online and SharePoint Online, class teams for Microsoft Teams and OneNote Class notebooks, school groups for Intune for Education, and rostering and SSO integration for many other third party applications.

SDS helps to automate the process of importing and synchronizing Student Information System (SIS) data with Office 365. The tool also gives application developers a single cloud API to use for creating applications that integrate with multiple SIS providers, along with single sign-on (SSO) capabilities. App developers can use the API to access section, student, teacher, school, and class roster information to personalize experiences for teachers and students who use their apps.

To access SDS, simply log in to [sds.microsoft.com](#), or open SDS from the Office 365 Admin Center. Microsoft provides free, one-on-one support to deploy School Data Sync. [Sign up](#) for free deployment support today.

To learn more about School Data Sync please visit <https://sds.microsoft.com>.

Assign licenses to user accounts with Office 365 PowerShell

04/18/2019 - 2 minutes to read - Contributors: [Icons]

Summary: Explains how to use Office 365 PowerShell assign an Office 365 license to unlicensed users.

Users can't use any Office 365 services until their account has been assigned a license from a licensing plan. You can use Office 365 PowerShell to quickly assign licenses to unlicensed accounts.



Device Management in Education

Improve student learning outcomes through connected classrooms and engaging new technologies with streamlined device management.

STEP 1: Deploy Windows 10

Setting up your Office 365 tenant is the first step in getting your school to the cloud.

1. Learn about and compare the [Windows 10 editions for Education](#) customers.
2. Plan your deployment. Find recommended configurations for Education customers [here](#) and deployment recommendations for school IT administrators [here](#).
3. Deploy Windows 10 in your school. Get step-by-step guidance [here](#).

Windows 10 editions for education customers

05/21/2019 • 4 minutes to read • Contributors: all

Applies to:

- Windows 10

Windows 10, version 1607 (Anniversary Update) continues our commitment to productivity, security, and privacy for all customers. Windows 10 Pro and Windows 10 Enterprise offer the functionality and safety features demanded by business and education customers around the globe. Windows 10 is the most secure Windows we've ever built. All of our Windows commercial editions can be configured to support the needs of schools, through group policies, domain join, and more. To learn more about Microsoft's commitment to security and privacy in Windows 10, see more on both [security](#) and [privacy](#).

Beginning with version 1607, Windows 10 offers a variety of new features and functionality, such as simplified provisioning with the [Set up School PCs](#) app or [Windows Configuration Designer](#), easier delivery of digital assessments with [Take a Test](#), and faster log in performance for shared devices than ever before. These features work with all Windows for desktop editions, excluding Windows 10 Home. You can find more information on [windows.com](#).

Windows 10, version 1607 introduces two editions designed for the unique needs of K-12 institutions: [Windows 10 Pro Education](#) and [Windows 10 Education](#). These editions provide education-specific default settings for the evolving landscape in K-12 education IT environments.

STEP 2: Manage devices with Intune for Education

Use Intune for Education to manage apps and settings on devices used in school.

1. Sign up for Intune for Education.
2. Use Microsoft School Data Sync to import student and teacher records from your School Information System or [manually add them](#) to your subscription.
3. [Configure](#) your Intune for Education tenant.

Microsoft Intune for Education for Faculty Trial

Want to add

Welcome, let's get to know you

Country or region

This can't be changed after sign-up. Why not?

First name

Last name

School email address

STEP 3: Install Office Apps

Choose the best way to deploy Office 365 ProPlus apps on your school devices.

1. [Assess your environment](#) including system requirements, details of your client devices, licensing requirements, network capability, and application compatibility. Completing the assessment will help you make key decisions as part of planning your deployment.
2. Plan your deployment and create a deployment plan. You can find best practices in [this article](#).
3. Deploy according to your plan.

Assess your environment and requirements for deploying Office 365 ProPlus

04/02/2018 • 4 minutes to read • Contributors: all

Follow the steps in this article to assess your environment and requirements before deploying Office 365 ProPlus in your organization. This assessment will help you make key decisions as part of planning your deployment.

In addition to this guidance, we recommend that you use [Microsoft Fastrack](#) to help with your deployment.

STEP 4: Install apps from Microsoft Store for Education

You can use the Microsoft Store to find, acquire, distribute and manage apps for your organization or school, from Education apps to books, references and more! Study [the prerequisites](#), then the global administrator for your school can sign up and get started at <https://www.microsoft.com/education-store>.

Prerequisites for Microsoft Store for Business and Education

10/13/2017 • 2 minutes to read • Contributors: all

Applies to:

- Windows 10
- Windows 10 Mobile

There are a few prerequisites for using Microsoft Store for Business or Microsoft Store for Education.

STEP 5: Get Minecraft Education Edition (EE)

Minecraft EE a game-based learning platform with standards-aligned content across K-12 subjects and special features designed for classroom use. It is offered to education tenants managed by Azure Active Directory and requires Windows 10. Learn more at <https://education.minecraft.net/>



Microsoft Education

A How-To Guide for IT Professionals

Resources

Cloud Deployment

- **Office 365 Education Plans:** <https://products.office.com/en-us/academic/compare-office-365-education-plans>
- **Networking Planning and Performance Tuning for Office:** <https://docs.microsoft.com/en-us/office365/enterprise/network-planning-and-performance?redirectSourcePath=%252fen-us%252farticle%252fnetwork-planning-and-performance-tuning-for-office-365-e5f1228c-da3c-4654-bf16-d163daee8848>
- **Getting Started with Azure AD Connect:** <https://docs.microsoft.com/en-us/azure/active-directory/hybrid/how-to-connect-install-express>
- **User sign-in with Azure Active Directory Pass-through Authentication:** <https://docs.microsoft.com/en-us/azure/active-directory/hybrid/how-to-connect-pta>
- **Active Directory Federation Services:** <https://docs.microsoft.com/en-us/windows-server/identity/active-directory-federation-services>
- **Deploy School Data Sync:** <https://docs.microsoft.com/en-us/schooldatasync/overview-of-school-data-sync>
- **Directions on how to use Office 365 Powershell:** <https://docs.microsoft.com/en-us/office365/enterprise/powershell/assign-licenses-to-user-accounts-with-office-365-powershell>

Device Management

- **Windows 10 Editions for Customers:** <https://docs.microsoft.com/en-us/education/windows/windows-editions-for-education-customers>
- **Windows 10 configuration recommendations for education customers:** <https://docs.microsoft.com/en-us/education/windows/configure-windows-for-education>
- **Deployment recommendations for school IT administrators:** <https://docs.microsoft.com/en-us/education/windows/edu-deployment-recommendations>
- **Add users and grant administrative permission to Intune:** <https://docs.microsoft.com/en-us/intune/users-add>
- **Edit general tenant settings:** <https://docs.microsoft.com/en-us/intune/users-add>
- **Assess your environment and requirements for deploying Office 365 ProPlus:** <https://docs.microsoft.com/en-us/DeployOffice/assess-office-365-proplus>
- **Plan your enterprise deployment of Office 365 ProPlus:** <https://docs.microsoft.com/en-us/DeployOffice/plan-office-365-proplus>
- **Prerequisites for Microsoft Store for Business and Education:** <https://docs.microsoft.com/en-us/microsoft-store/prerequisites-microsoft-store-for-business>

