



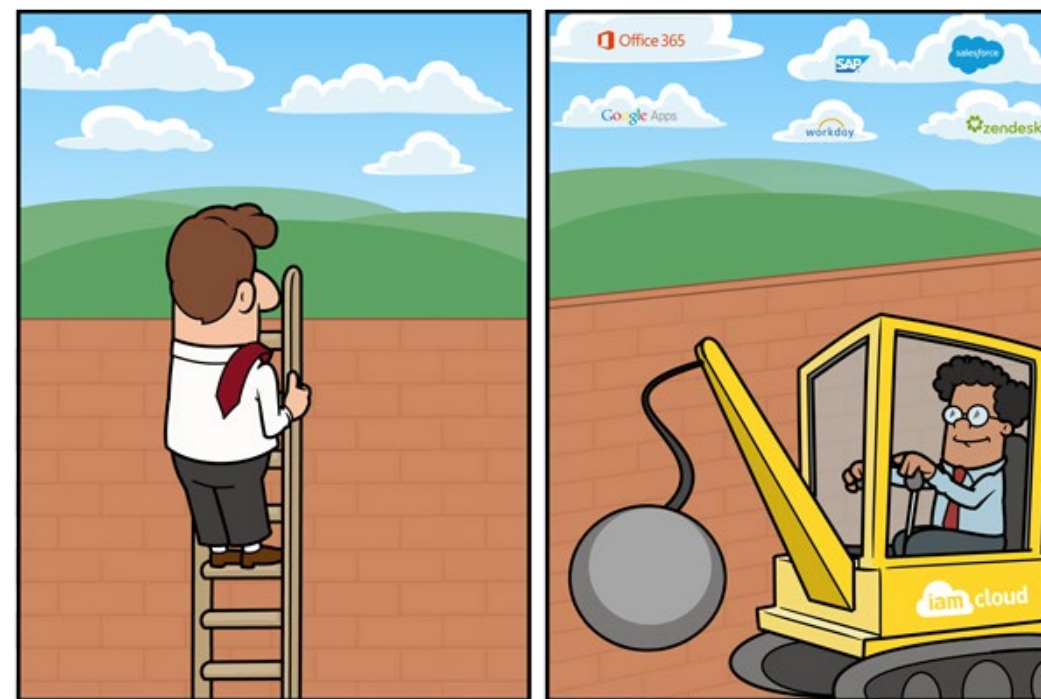
# CLOUD WINCH

Home Drives to OneDrive  
by IAM Cloud

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*IAM Cloud, breaking down the barriers to the cloud*

# CLOUD WINCH — THE CONCEPT

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Cloud Winch is a migration tool to help you migrate data from your users' Home Drives/Directories to OneDrive to Business.

What makes Cloud Winch different to other migration products & utilities is that we recognize a migration project is more than just moving data.

The goal we set ourselves when creating Cloud Winch was: "Make the most automated solution possible for migrating users' data to OneDrive."

The result is that Cloud Winch can orchestrate a large-scale migration to OneDrive with nothing more than a few clicks. This is possible because Cloud Winch isn't just handling the data migration for you, it's also organizing your users in AD, undertaking home-realm discovery and automatically joining AD Users to their Office 365 accounts to create a secure guaranteed link. It's automating the provisioning of OneDrives that aren't yet activated, and several other ancillary time-consuming steps that you'd normally have to undertake manually.

With Cloud Winch, you can **just get the job done** in the quickest and simplest way possible. For most customers this is all that is necessary, but Cloud Winch is also able to deal with an almost infinite number of edge-case requirements because of how it uses our Conductor automation framework...



# CONDUCTOR WORKFLOW AUTOMATION

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Conductor is a server and desktop-based automation framework that underpins Cloud Winch. It's what allowed us to create a solution that automates the whole migration process end-to-end.

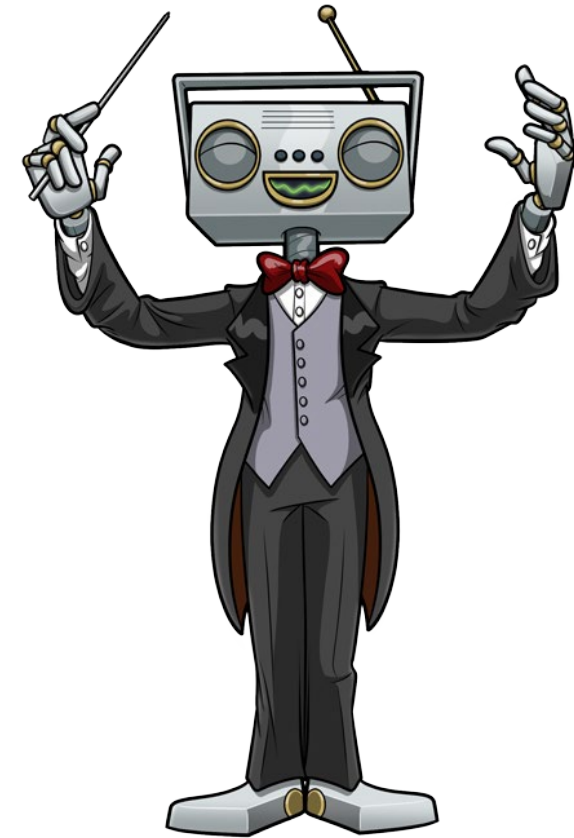
But Conductor is also almost infinitely flexible. While Cloud Winch offers an off-the-shelf click & go migration experience – it can also be very quickly adapted to meet the requirements of almost any migration scenario.

Cloud Winch is a sequence of workflow tasks that automates the migration. But each task can be modified easily and new tasks can be created and slotted in. Conductor first assembles a series of (C#-based) tasks, which are pulled from our global code repository (GCR), and then runs them in sequence.

We have created a number of different task types that allow for a range of programmatic inputs and outputs, UI objects for human inputs and selectors, and different task logic including one-shots, loops, and re-runnable tasks.

## **Use cases:**

Just prior to the data migration you want to set the files and folders in the network share to Read-Only. Easy enough to write that as a C# task since Conductor has an AD integration already. Done! Now it can be slotted into the existing migration sequence ahead of the data migration task, and that's it. How about firing a JSON payload to a webhook connected to a notification or logging system when each user is completed? Done. How about custom email notifications? Easy. How about some kind of clear-down process to remove completed files? No problem. Whatever your migration needs are, Conductor can help.



# CLOUD WINCH — HIGH-LEVEL PROCESS

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## Step 1. Install Conductor

Install the Conductor client on a member server. We recommend the file server you're wanting to migrate data from to optimize the performance of transfer speeds.

## Step 2. Active Directory integration

Cloud Winch automatically installs and sets up our identity-joining software: SPS. This software integrates with Active Directory and allows Cloud Winch to join your on-prem users to their Office 365 accounts, guaranteeing a safe automated migration.

## Step 3. Office 365 integration

You will also be prompted at this point to authenticate to Office 365 and provide permissions to the IAM Cloud Migration Azure Enterprise App.

## Step 4. Select users

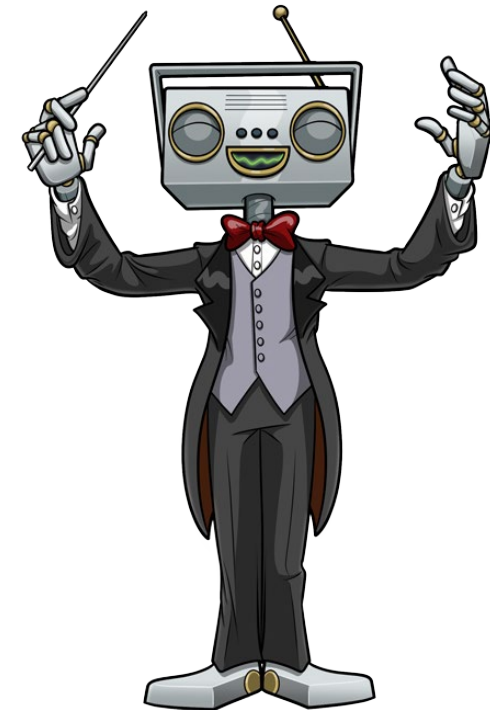
Cloud Winch offers you a view into your AD-structure, and allows you to select the users/OUs you wish to migrate. You can migrate all users at once or in batches.

## Step 5. Copy

The copy phase takes the data from your local file server(s) and moves it into Azure blob storage – which we recommend to be hosted within your own tenancy for security & compliance reasons.

## Step 6. Move

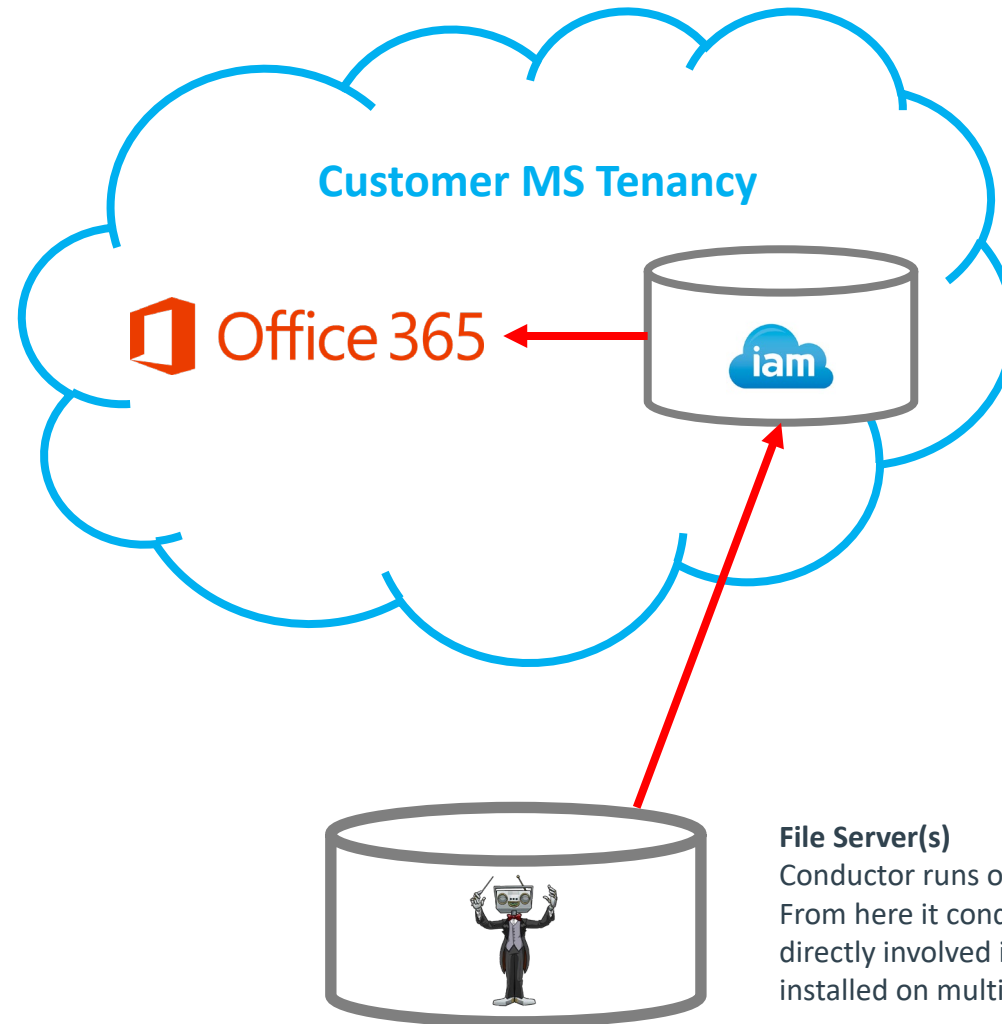
When the data for a given user is successfully copied into your Azure blob storage, Conductor then instigates a 'Move' process which leverages our cloud migration platform to conduct a high-speed transfer between your blob storage and Office 365 storage account.





# CLOUD WINCH – DATA FLOW

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## Cloud VM

Cloud VM running in customer Azure tenancy with connected blob storage. Our cloud-based Azure app takes data from here once the copy is completed and MOVES it to Office 365 in a high-speed transfer leveraging the Azure backbone for performance.

## File Server(s)

Conductor runs on your file server (or any member server). From here it conducts the whole automation process and is directly involved in the COPY process. You can have Conductor installed on multiple File Servers working in parallel.

# CLOUD WINCH – TASK FLOWS

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## **Task 1. Install & Configure SPS**

Cloud Winch automatically installs SPS client

## **Task 2. Sync Users**

Cloud Winch syncs users on-prem users to cloud

## **Task 3. Connect to Office 365**

Connects to O365 and joins on-prem & cloud users

## **Task 4. Select Users**

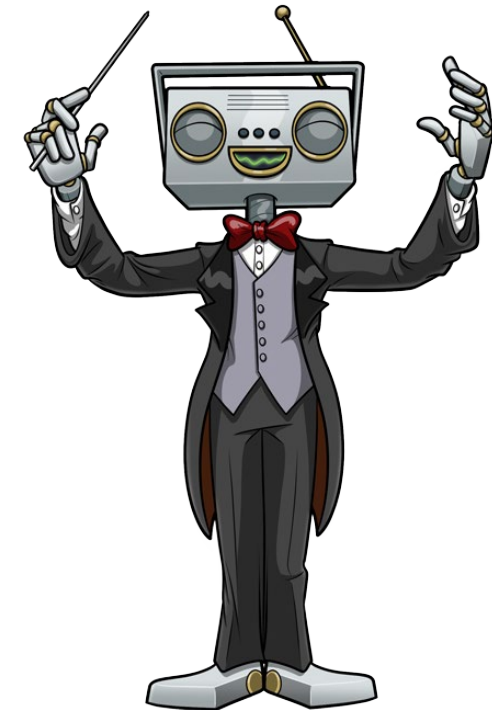
Opens window with AD view for selection

## **Task 5. Run Copy**

Conductor begins migrating data to Azure blob

## **Task 6. Run Move**

Conductor instructs cloud app to move data to O365



# CLOUD WINCH – TASK FLOWS

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## Task 1. Install & Configure SPS

Cloud Winch automatically installs SPS client

## Task 2. Sync Users

Cloud Winch syncs users on-prem users to cloud

## Task 3. Connect to Office 365

Connects to O365 and joins on-prem & cloud users

## Task 4. Select Users

Opens window with AD view for selection

## Task 5. Make User Drive Read-Only

Cloud Winch makes user directory read-only

## Task 6. Run Copy

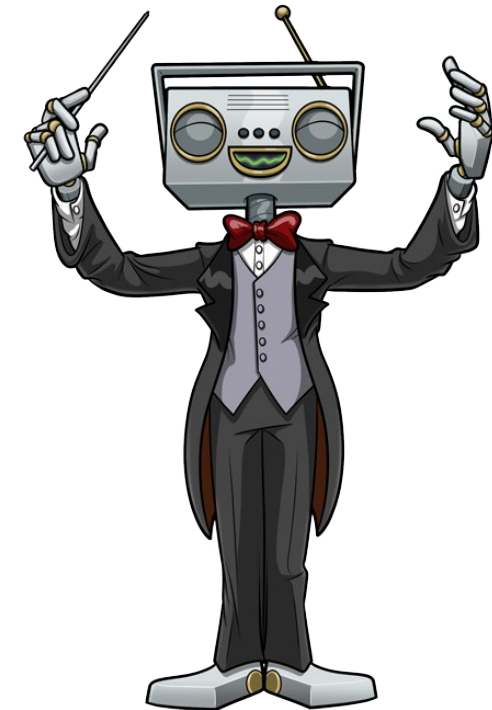
Conductor begins migrating data to Azure blob

## Task 7. Run Move

Conductor instructs cloud app to move data to O365

## Task 8. Email User Migration Is Success

Automatically sends templated email to user





# END-TO-END SECURITY

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**IAM Cloud is a powerful IT tool to help save time, improve user experience, and significantly increase your organization's IT security.**

- IAM Cloud encrypts all data in transit (256bit HTTPS over TLS 1.2) and at rest in encrypted data storage, and only keep data physically located in data-centers appropriate to each customer's regional data residency laws. So all our EU-based customers have data stored exclusively in data centers physically located within the European Union, all our North American customers are served by data centers in the USA.
- IAM Technology Group Ltd are ISO 27001 certified. ISO27001 is the global information security standard.

# MORE THAN TECHNOLOGY

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**IAM Cloud is fully supported. For no extra charge, all our customers receive a 24\*7\*365 service, which includes:**

- Full on-boarding support, including help with integration, configuration & federation.
- Access to our customer knowledgebase
- Access to our ticketing system
- Full extended business hours support
- Availability and support SLAs, including 99.9% service up-time
- Support by telephone, email, web tickets and web conference
- Quarterly service reviews
- Prioritized critical support for urgent issues



# IAM CLOUD FAQ

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## **Do I need any training?**

No. By keeping our technology simple, we've also made it easy to use. We also have a support team on-hand if our customers need any guidance or support.

## **Is IAM Cloud GDPR compliant?**

Yes, of course. We are also ISO27001 compliant (the international equivalent to SOC 2 in the USA). We take data security and privacy seriously and undertake frequent security tests and audits to ensure our continued performance and compliance.

## **Do you have support SLAs?**

Yes. Critical issues have a 1-hour response SLA. High = 4 hours. Medium = 8 hours. Low = 24 hours.

## **What support can we expect?**

Cloud Winch is a fully supported product. Our team will help with the installation of our sync client, we'll collaborate with you on setting up the right configurations to meet your needs. Once you're set-up we provide full ongoing hands-on business hours support 7am-10pm (+0 UTC), and 24/7/365 critical support.

## **How quick is the set-up process?**

It only requires a few minutes of your time, although depending on how many users are being migrated and how much data, there will naturally be periods where you need to wait for processes to complete.

# IAM CLOUD

## TRUSTED BY ORGANIZATIONS OF ALL SIZES AND SECTORS



> 1 MILLION USERS



> 1000 ORGANIZATIONS



**HOW MUCH DOES IT COST?**

**[www.iamcloud.com/pricing](http://www.iamcloud.com/pricing)**



[www.iamcloud.com/cloud-winch](http://www.iamcloud.com/cloud-winch)