**MIGRATING WATSON SERVICES FROM CLOUD FOUNDRY**

Migrate a Watson service instance to move it from its current Cloud Foundry org and space to a resource group.

  Resource groups offer these benefits over Cloud Foundry:

* + - Finer-grained access control by using IBM® Cloud Identity and Access Management
    - Ability to connect service instances to apps and services across different regions
    - Simplified capture of usage data per group

**Migrating a service instance**

1. Determine which resource group you want to move the service instance to. With a Premium plan, you can migrate multiple instances. However, the instances must all be migrated to the same resource group.
2. If the service instance you are migrating is part of a Premium plan, inform support that you are migrating a Premium plan instance. The IBM Cloud support team needs to take some additional steps on your behalf.

Create a case from [IBM Cloud Support](https://cloud.ibm.com/unifiedsupport/supportcenter) with the following

* + - Region in which the service instance is hosted, such as Dallas or Frankfurt
    - Resource group name
    - Resource group ID

If you don't know the ID, open the IBM Cloud command-line interface (CLI) tool and enter the following command:

**ibmcloud resource groups**

1. From the Cloud Foundry Services section of the IBM Cloud [resource list](https://cloud.ibm.com/resources?groups=cf-services), click the migrate icon for the instance you want to migrate, and then click **Migrate** from the pop-up window.
2. Click **Continue**, and then choose a resource group.

If you didn't create a resource group, you can create one now. A **default** resource group is available. Take time to understand how the groups are used and create one if necessary. You can't change the resource group later.

1. Click **Migrate**.

A message is displayed when the process is done. If you have other service instances to migrate, you can migrate those services now. Otherwise, click **Done**.

## Applications and authentication

Your new instance manages authentication with Cloud Identity and Access Management (IAM), which is an enhanced mechanism that uses API keys instead of user name and password. You can see the API key information from the **Service credentials** page of the new service instance.

## Update your client applications to take advantage of the improved security that IAM affords. After you update your apps to use the new API key approach, you won't need the alias and can delete it.