

```
layout: page
title: "Variable groups"
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```

The SyncHub variable groups adapters migrate the following resources between ADO organizations:

- Variable groups, including:
  - names
  - variables
  - Azure KeyVault connections, provided that the Az KeyVault service connections are mapped.

Note that hidden (locked) variables (passwords etc...) are not migrated, and the customer must input these manually after the migration.

### Prerequisites/dependencies

The following needs to be imported before the environments are imported:

- Azure Keyvault service connections

## Permissions

- **required PAT scopes:** Variable Groups (Read, create & manage)

### Export: Sample config

### Command

[illegible]

## Configuration

```
{
  "configuration":
  {
    "source": "https://dev.azure.com/solidifydemo",
    "target": "C:\\Temp\\contosoAirMig\\VariableGroup",
    "ProjectName": "ContosoAir",
    "apiVersion": "6.0-preview.2"
  }
}
```

### Import: Sample config

### Command

[illegible]

## Configuration

```
{
  "target": "https://dev.azure.com/alexanderhjelmssolidify",
  "SourceFilePath": "C:\\Temp\\contosoAirMig\\VariableGroup",
  "TargetProject": "ContosoAir-Migrated",
  "apiVersion": "6.0-preview.2"
}
```

## JSON examples

## Variable Group

```
{
  "variables": {
    "a": {
      "value": "1"
    },
    "b": {
      "value": "2"
    },
    "c": {
      "value": "3"
    }
  },
  "id": 35,
  "type": "Vsts",
  "name": "New variable group 27-Feb",
  "description": "Example Variable group 1",
  "createdBy": {
    "displayName": "Alexander Hjelm",
    "id": "c6a1535d-46db-67ad-83c4-4eab0e4a8cad",
    "uniqueName": "alexander.hjelm@solidify.dev"
  },
  "createdOn": "2022-02-27T13:40:59.6533333Z",
  "modifiedBy": {
    "displayName": "Alexander Hjelm",
    "id": "c6a1535d-46db-67ad-83c4-4eab0e4a8cad",
    "uniqueName": "alexander.hjelm@solidify.dev"
  },
  "modifiedOn": "2022-02-27T13:40:59.6533333Z",
  "isShared": false,
  "variableGroupProjectReferences": [
    {
      "projectReference": {
        "id": "26010eaa-cc57-40e4-ae7b-f536b311a551",
        "name": "ContosoAir"
      },
      "name": "New variable group 27-Feb",
      "description": "Example Variable group 1"
    }
  ]
}
```