

Install Extension

1. Install Azure CLI: [How to install the Azure CLI | Microsoft Docs](#)
2. Install Python
3. Make sure workloads extension is not installed using “az extension list”
 - a. This doc can be used to remove any existing extension: [az extension | Microsoft Docs](#)
4. Download and Install extension from [Azure Extension for SAP solutions- Latest](#)
 - a. az extension add --source=./workloads-0.1.0-py3-none-any.whl
5. Login to correct AZ account
 - a. az login
 - b. az account set --subscription "<ACCOUNT_SUBSCRIPTION_ID>"
 - c. az account show -otable
 - i. should show correct account
6. Perform SAP Virtual Instance operations through extension
 - a. Can test through basic command “az workloads –help” or “az workloads sap-virtual-instance list”

```
PS C:\Users\gargankit\OneDrive - Microsoft\WaaS\Extension 14March> az extension add --source=./workloads-0.1.0-py3-none-any.whl
Are you sure you want to install this extension? (y/n): y
The installed extension 'workloads' is experimental and not covered by customer support. Please use with discretion.
PS C:\Users\gargankit\OneDrive - Microsoft\WaaS\Extension 14March>

PS C:\Users\gargankit\OneDrive - Microsoft\WaaS\Extension 14March> az workloads --help

Group
  az workloads : Manage Workloads.
                This command group is experimental and under development. Reference and support levels:
                https://aka.ms/CLI_refstatus
Subgroups:
  sap-application-server-instance : Manage sap application server instance with workloads.
  sap-central-instance            : Manage sap central instance with workloads.
  sap-database-instance           : Manage sap database instance with workloads.
  sap-virtual-instance            : Manage sap virtual instance with workloads.
Commands:
  sap-availability-zone-detail    : Get SAP Availability Zone Details.
  sap-disk-configuration          : Get SAP Disk Configurations.
  sap-sizing-recommendation       : Get SAP sizing recommendations.
  sap-supported-sku               : Get SAP supported SKUs.

To search AI knowledge base for examples, use: az find "az workloads"

Please let us know how we are doing: https://aka.ms/azureclihats
PS C:\Users\gargankit\OneDrive - Microsoft\WaaS\Extension 14March>
```

Known Issues

Feature	Commands	Details
SVI Start/Stop	az workloads sap-virtual-instance start	Feature under development.
	az workloads sap-virtual-instance stop	

Notes while using extension

1. Use same location for Service location and Application Location.

SVI and Ascs –help

Get SVI

[illegible]

List SVIs

[illegible]

Create SVI

Region Not available

[illegible]

Quota Exceeded

[illegible]

Success

Creation triggered

[illegible]

SVI visible on portal

Home > Azure Center for SAP solutions >

X30

Virtual Instance for SAP solutions | PREVIEW

Search (Ctrl+/)

Start Stop Refresh Open in mobile Delete

Overview

Activity log

Access control (IAM)

Tags

Settings

Properties

Locks

SAP resources

Central service instances

App server instances

Databases

Monitoring

Azure Monitor for SAP

Install SAP software on this Virtual Instance to begin managing it.

View Cost JSON View

Essentials

Resource group
ankitTestRG

Status
Unknown

Subscription
Az WaaS Test 1

Subscription ID
49d64d54-e966-4c46-a868-1999802b762c

Location
eastus2euap

Health
Unknown

Managed resource group
mrg-X30-38a0f3

App location
East US

SAP product
S/4HANA

Environment
Production

Virtual network/subnet
install-test-vnet-appsubnet

SAP software
Install

Tags (edit)

Click here to add tags

Get Started

Properties

Monitoring

Install SAP software

Before you can begin managing your SAP system using the best of Azure features, you will need to install SAP software. [Learn more](#)

Install SAP software

[Confirm already installed software](#)

Creation succeeded (3 tier create infra)

Payload



Input_CreateInfra_Dist
ributedNonHA_config.

Command

```
az workloads sap-virtual-instance create --location "eastus2euap" --configuration  
"@Input_CreateInfra_DistributedNonHA_config.json" --environment "Prod" --sap-product  
"S4HANA" --resource-group "ankitTestRG" --sap-virtual-instance-name "X30"
```

```

(vmm) PS D:\development\Checkpoints\CLITest\14marcho <C
(vmm) PS D:\development\Checkpoints\CLITest\14marcho az workloads sap-virtual-instance create --location "eastus2eap" --configuration @Input_CreateInfra_DistributedNodeB_config.json --environment "Prod" --sap
product "hana" --resource-group "sap1705180" --sap-virtual-instance-name "X30"
Command group 'workloads' is experimental and under development. Reference and support levels: https://aka.ms/CLI_refstatus
{
  "configuration": {
    "application": "eastus",
    "configurationType": "Deployment",
    "infrastructureConfiguration": {
      "appResourceGroup": "ankitTestRG",
      "applicationServer": {
        "instanceCount": 2,
        "subnetId": "/subscriptions/49d64d54-e966-4c46-a868-1999802b762c/resourceGroups/SAP-E2ETest-rg/providers/Microsoft.Network/virtualNetworks/Install-test-vnet/subnets/appssubnet",
        "virtualMachineConfiguration": {
          "imageReference": {
            "exactVersion": null,
            "offer": "sles-sap-15-sp3",
            "publisher": "SUSE",
            "sharedGalleryImageId": null,
            "sku": "gen2",
            "version": "2022.01.26"
          },
          "osProfile": {
            "adminPassword": null,
            "adminUsername": "azureuser",
            "osConfiguration": {
              "disablePasswordAuthentication": true,
              "osType": "Linux",
              "ssh": {
                "publicKeys": [
                  {
                    "keyData": "ssh-rsa AAAAB3NzaC1yc2EAAAADAQABAAQCSQVOMh/dlga3lneStuMCHMAQ11G1QC1qnb1Booz4gmFol3uKCL4r15FSMyym4o2v2+8K+P5FcQGQAcMh/S1cNONFU2an2lW+9250deGkLksEwNEEE/1kguZbHmBux4Xy8vEyR2o1JW
                    MeGalX/H9LBa1tG83xPgG91uY50H194UdX7QxEWgDE0mh3J25+LhZUN7sA1EHp8-BHpdT-XLD3dvYFFZ15nckLnQVGcsdRNNvGTUNE4+GVLP6g2TbcsZQpx1d0pme9Azy7U+DTmf2FT1xu/9V51Cb+GDm3G6ew+HE+ generated-by-azure"
                  }
                ]
              }
            },
            "vmSize": "Standard_E4ds_v4"
          }
        },
        "centralServer": {
          "instanceCount": 1,
          "subnetId": "/subscriptions/49d64d54-e966-4c46-a868-1999802b762c/resourceGroups/SAP-E2ETest-rg/providers/Microsoft.Network/virtualNetworks/Install-test-vnet/subnets/appssubnet",
          "virtualMachineConfiguration": {
            "imageReference": {
              "exactVersion": null,
              "offer": "sles-sap-15-sp3",
              "publisher": "SUSE",
              "sharedGalleryImageId": null,
              "sku": "gen2",
              "version": "2022.01.26"
            },
            "osProfile": {
              "adminPassword": null,
              "adminUsername": "azureuser",
              "osConfiguration": {
                "disablePasswordAuthentication": true,
                "osType": "Linux",
                "ssh": {
                  "publicKeys": [
                    {
                      "keyData": "ssh-rsa AAAAB3NzaC1yc2EAAAADAQABAAQCSQVOMh/dlga3lneStuMCHMAQ11G1QC1qnb1Booz4gmFol3uKCL4r15FSMyym4o2v2+8K+P5FcQGQAcMh/S1cNONFU2an2lW+9250deGkLksEwNEEE/1kguZbHmBux4Xy8vEyR2o1JW
                      MeGalX/H9LBa1tG83xPgG91uY50H194UdX7QxEWgDE0mh3J25+LhZUN7sA1EHp8-BHpdT-XLD3dvYFFZ15nckLnQVGcsdRNNvGTUNE4+GVLP6g2TbcsZQpx1d0pme9Azy7U+DTmf2FT1xu/9V51Cb+GDm3G6ew+HE+ generated-by-azure"
                    }
                  ]
                }
              },
              "vmSize": "Standard_EBds_v4"
            }
          },
          "databaseServer": {
            "instanceCount": 1,
            "subnetId": "/subscriptions/49d64d54-e966-4c46-a868-1999802b762c/resourceGroups/SAP-E2ETest-rg/providers/Microsoft.Network/virtualNetworks/Install-test-vnet/subnets/dbsubnet",
            "virtualMachineConfiguration": {
              "imageReference": {
                "exactVersion": null,
                "offer": "sles-sap-15-sp3",
                "publisher": "SUSE",
                "sharedGalleryImageId": null,
                "sku": "gen2",
                "version": "2022.01.26"
              },
              "osProfile": {
                "adminPassword": null,
                "adminUsername": "azureuser",
                "osConfiguration": {
                  "disablePasswordAuthentication": true,
                  "osType": "Linux",
                  "ssh": {
                    "publicKeys": [
                      {
                        "keyData": "ssh-rsa AAAAB3NzaC1yc2EAAAADAQABAAQCSQVOMh/dlga3lneStuMCHMAQ11G1QC1qnb1Booz4gmFol3uKCL4r15FSMyym4o2v2+8K+P5FcQGQAcMh/S1cNONFU2an2lW+9250deGkLksEwNEEE/1kguZbHmBux4Xy8vEyR2o1JW
                        MeGalX/H9LBa1tG83xPgG91uY50H194UdX7QxEWgDE0mh3J25+LhZUN7sA1EHp8-BHpdT-XLD3dvYFFZ15nckLnQVGcsdRNNvGTUNE4+GVLP6g2TbcsZQpx1d0pme9Azy7U+DTmf2FT1xu/9V51Cb+GDm3G6ew+HE+ generated-by-azure"
                      }
                    ]
                  }
                },
                "vmSize": "Standard_M02ts"
              }
            },
            "deploymentType": "ThreeTier",
            "highAvailabilityConfig": null
          },
          "softwareConfiguration": null
        },
        "environment": "Prod",
        "errors": null,
        "health": null,
        "id": "/subscriptions/49d64d54-e966-4c46-a868-1999802b762c/resourceGroups/ankitTestRG/providers/Microsoft.Workloads/sapVirtualInstances/X30",
        "identity": null,
        "location": "eastus2eap",
        "managedResourceGroupConfiguration": {
          "name": "mrg-X30-38aef3"
        },
        "name": "X30",
        "provisioningState": "Succeeded",
        "resourceGroup": "ankitTestRG",
        "sapProduct": "S4HANA",
        "state": "SoftwareInstallationPending",
        "status": null,
        "systemData": {
          "createdAt": "2022-03-14T13:34:06.336616+00:00",
          "createdBy": "gargankit@microsoft.com",
          "createdByType": "User",
          "lastModifiedAt": "2022-03-14T13:34:06.336616+00:00",
          "lastModifiedBy": "gargankit@microsoft.com",
          "lastModifiedByType": "User"
        },
        "tags": null,
        "type": "Microsoft.Workloads/sapVirtualInstances"
      }
    }
  }
}
(vmm) PS D:\development\Checkpoints\CLITest\14marcho

```

Creation Succeed (Single server create Infra)

Payload



PutSapWorkload_SingleServer_config.json

Command

```
az workloads sap-virtual-instance create --location "eastus2euap" --configuration  
"@PutSapWorkload_SingleServer_config.json" --environment "NonProd" --sap-product "S4HANA" --  
resource-group "ankitTestRG" --sap-virtual-instance-name "X31"
```

```
PS D:\development\Checkpoints\CliTest\14march> az workloads sap-virtual-instance create --location "eastus2euap" --configuration "@PutSapWorkload_SingleServer_config.json" --environment "NonProd" --sap-product "S4HANA" --resource-group "ankitTestRG" --sap-virtual-instance-name "X31"
Command group 'workloads' is experimental and under development. Reference and support levels: https://aka.ms/Cli_refstatus
{
  "configuration": {
    "appLocation": "eastus",
    "configurationType": "Deployment",
    "infrastructureConfiguration": {
      "appResourceGroup": "ankitTestRG",
      "databaseType": null,
      "deploymentType": "SingleServer",
      "subnetId": "/subscriptions/49d64d54-e966-4c46-a868-1999802b762c/resourceGroups/SAP-E2ETest-rg/providers/Microsoft.Network/virtualNetworks/test-vnet/subnets/appsubnet",
      "virtualMachineConfiguration": {
        "imageReference": {
          "exactVersion": null,
          "offer": "sles-sap-15-sp3",
          "publisher": "SUSE",
          "sharedGalleryImageId": null,
          "sku": "gen2",
          "version": "2022.01.26"
        },
        "osProfile": {
          "adminPassword": null,
          "adminUsername": "adminuser",
          "osConfiguration": {
            "disablePasswordAuthentication": true,
            "osType": "Linux",
            "ssh": {
              "publicKeys": [
                {
                  "keyData": "ssh-rsa AAAAB3NzaC1yc2EAAAADAQABAAQGDPAKQ7pRBFzDsyW3y8UiH+ZvhDeGzqUstuTPktiz/YJeuFmgjWnKqYTuZX/tLhSatX/imG9d8DCLe5bXltOn1m2ilvRCfsh2NxMqXs12GRXTnsC9Ehw5PhQXQhXSHWItDD1K6vK1ydVw7DhmJgk1+10g7WPdxeO/D6YQrlogmaQHoK2A8AJyH9HXGbnTiIFUuPers8sKhZyztPSZC09E2vYTB7quNS7usgv6CByi72MOne/Rulae7871RKhysjeIn1M+fQ3xKxW9cXsJhAHTgbq02peyd25TLpP059XuIna805SpQEXfGuUnrdX/W6NT94V1/Cqs8obSfQntZ/QmGvr1Qb27Z85Q24eIsYDFr1m1423TuxWUr+1AEvaSCapRBnDaV3nBzk9qpkiIIGWRGpaz6qb3ahYpDGP+A81ABY19r8K+/KmfB9N8qkUK7kdlytHeusKor0kzhW8xpctCnd/13oN3gXbps0Tx802E5w7n+8IDNodxEgXzdYD1hh0= generated-by-azure"
                }
              ]
            }
          }
        },
        "vmSize": "Standard_E32ds_v4"
      }
    },
    "softwareConfiguration": null
  },
  "environment": "NonProd",
  "errors": null,
  "health": null,
  "id": "/subscriptions/49d64d54-e966-4c46-a868-1999802b762c/resourceGroups/ankitTestRG/providers/Microsoft.Workloads/sapVirtualInstances/X31",
  "identity": null,
  "location": "eastus2euap",
  "managedResourceGroupConfiguration": {
    "name": "mrg-X31-34ccd7"
  },
  "name": "X31",
  "provisioningState": "Succeeded",
  "resourceGroup": "ankitTestRG",
  "sapProduct": "S4HANA",
  "state": "SoftwareInstallationPending",
  "status": null,
  "systemData": {
    "createdAt": "2022-03-14T13:39:21.286409+00:00",
    "createdBy": "gargankit@microsoft.com",
    "createdByType": "User",
    "lastModifiedAt": "2022-03-14T13:39:21.286409+00:00",
    "lastModifiedBy": "gargankit@microsoft.com",
    "lastModifiedByType": "User"
  },
  "tags": null,
  "type": "microsoft.workloads/sapvirtualinstances"
}
PS D:\development\Checkpoints\CliTest\14march>
PS D:\development\Checkpoints\CliTest\14march>
```

Async Operation Wait

Fail

```
PS C:\WINDOWS\system32> az workloads sap-virtual-instance wait --created --resource-group "ankitTestRG" --sap-virtual-instance-name "X20"  
Command group 'workloads' is experimental and under development. Reference and support levels: https://aka.ms/CLI_refstatus  
The operation failed
```

In progress

```
(venv) PS D:\development\Checkpoints\CLITest\14march> az workloads sap-virtual-instance wait --created --resource-group "ankitTestRG" --sap-virtual-instance-name "X31"  
Command group 'workloads' is experimental and under development. Reference and support levels: https://aka.ms/CLI_refstatus  
- Starting ..
```

Success

Command

az workloads sap-virtual-instance wait --created --resource-group "ankitTestRG" --sap-virtual-instance-name "X31"

```
(venv) PS D:\development\Checkpoints\CLITest\14march> az workloads sap-virtual-instance wait --created --resource-group "ankitTestRG" --sap-virtual-instance-name "X31"  
Command group 'workloads' is experimental and under development. Reference and support levels: https://aka.ms/CLI_refstatus  
(venv) PS D:\development\Checkpoints\CLITest\14march>
```

Completed with no output

Extension Generation

Failed: Through Docker

```
Administration Windows PowerShell
PS D:\cliDev> az acr login --name amecodegen
Login Succeeded
PS D:\cliDev> docker run -v D:\cliDev\azcr:main /home/sug : D:\cliDev\azure-cil-extension\home\azcr --it amecodegen.azurecr.io/a:2020.05.24 /bin/bash
PS D:\cliDev>
Unable to find image 'amecodegen.azurecr.io/a:2020.05.24' locally
2020-05-24: Pulling from az
0a5317f9931: Pull complete
588c6d374ea5: Pull complete
c85332460a4: Pull complete
93760808e227: Pull complete
4f435c0e048: Pull complete
04c5d3612287: Pull complete
e9189d00139: Pull complete
5eb7490c354a: Pull complete
97933020061: Pull complete
e180efac2402: Pull complete
a2e03ac338c4: Pull complete
ba0a0ba0b3c0: Pull complete
Digest: sha256:9e080ef311e760ccce7b00941d898d218b3747d674c5d07821389f91399c
Status: Downloaded newer image for amecodegen.azurecr.io/a:2020.05.24
[initazdev is
=====
] Azure CLI Dev Setup |
=====
Azure CLI:
PyPI
Azure CLI extension repos:
/home/azcr
Installing packages
=====
Upgrading pip...
Installing 'azure-cli'...
Installing 'azure-cli-testsdk'...
Elapsed time: 3 min 14 sec
Finished dev setup!
=====
# Useful Commands:
=====
(venv) root@0d12ac205ec4:/#
> -- or --
> [SvcName]
- activate built-in python virtual environment:
> setup azdev:
> add az extension in azdev:
> run test:
> [SvcName]
# Example for portal service:
=====
(venv) root@0d12ac205ec4:/#
# Other tips:
=====
# If you want want to kill azdev when azdev starts:
```

```
Administrator: Windows PowerShell
=====
] Azure CLI Dev Setup |
=====
Azure CLI:
PyPI
Azure CLI extension repos:
/home/azcr
Installing packages
=====
Upgrading pip...
Installing 'azure-cli'...
Installing 'azure-cli-testsdk'...
Elapsed time: 3 min 14 sec
Finished dev setup!
=====
# Useful Commands:
=====
(venv) root@0d12ac205ec4:/#
> -- or --
> [SvcName]
- activate built-in python virtual environment:
> setup azdev:
> add az extension in azdev:
> run test:
> [SvcName]
# Example for portal service:
=====
(venv) root@0d12ac205ec4:/#
# Other tips:
=====
# If you want want to kill azdev when azdev starts:
(venv) root@0d12ac205ec4:/# autorest --az --azure-cil-extension-folder=/home/azcr /home/sug/specification/workloads/resource-manager/readme.md
##### app specification utility [cli version: 3.0.6187, node: v12.18.1, mem-memory: 8192 gb]
#####
> You can install the newer version with with run install -g autorest@latest
#####
Loading package: /root/.autorest/@autorest_core@0.6.0258/node_modules/@autorest/core/dist/ (3.0.6258)
Installing autorest extension '@autorest/a: (latest)'
Failed to install or start extension '@autorest/a: (latest)'
#####
Failed to install package
at install (/node_modules/@azure-tools/extension/dist/main.js:367:15)
at processTicksAndRejections (internal/process/task_queues.js:97:5)
at async ExtensionManager.installPackage (/node_modules/@azure-tools/extension/dist/main.js:571:13)
at async resolveExtensions (/root/.autorest/@autorest_core@0.6.0258/node_modules/@autorest/core/dist/lib/configuration.js:866:55)
at async Configuration.createView (/root/.autorest/@autorest_core@0.6.0258/node_modules/@autorest/core/dist/lib/configuration.js:987:9)
at async AutoRestRegenerateView (/root/.autorest/@autorest_core@0.6.0258/node_modules/@autorest/core/dist/lib/autorest-core.js:66:29)
at async currentMain (/root/.autorest/@autorest_core@0.6.0258/node_modules/@autorest/core/dist/app.js:211:21)
at async mainImpl (/root/.autorest/@autorest_core@0.6.0258/node_modules/@autorest/core/dist/app.js:158:28)
at async main (/root/.autorest/@autorest_core@0.6.0258/node_modules/@autorest/core/dist/app.js:157:18)
```

Through autorestart command directly in local

Failed: Using commands mentioned in doc

Install Python

Install Node

```
pip install ptyvds==2.2.0
```

```
npm uninstall -g autorestore
```

```
npm install -g autorestore@latest
```

```
autorestart --reset
```

```
python -m venv env
```

env\Scripts\activate.ps1

```
python -m pip install -U pip
```

```
pip install azdev
```

```
azdev setup -c
```

```
pip install azure-cli
```

```
pip install azure-cli-extensions
```

```
pip install mistune==0.8.4
```

```
pip install m2r
```

```
autorestore --reset
```

```
autoREST --version=3.0.6370 --az --use=@autoREST/az@latest --azure-cli-extension-
```

```
folder=D:\CliDev\azure-cli-extensions D:\CliDev\swagger-main\specification\workloads\resource-
manager\readme.md
```

[illegible]

Failed: Using --use=@autorest/python@latest as other version used by default uses invalid version of mistune(>2) which is incompatible with m2r

Commands

Install Python

```
pip install ptyvsd==2.2.0
npm uninstall -g autorest
npm install -g autorest@latest
autorest --reset
```

```
autorest --reset
autorest --version=3.0.6370 --az --use=@autorest/az@latest --use=@autorest/python@latest --
azure-cli-extension-folder=D:\CliDev\azure-cli-extensions D:\CliDev\swagger-
main\specification\workloads\resource-manager\readme.md
```

[illegible]

Success: Using troubleshooting from CLI Office hours

Steps

- Please use exact versions whenever mentioned in commands, else latest can be used (also mentioned)
- Please update folder paths as per the environment

Install Python 3.10.2

Install Node 12.20.0

npm uninstall -g autorest

npm install -g autorest@latest

autorest --reset

autorest --version=3.0.6370 --az --use=@autorest/az@latest --use=@autorest/python@5.4.0

python -m venv

C:\Users\gargankit\autorest\@autorest_python@5.4.0\node_modules\@autorest\python\venv

C:\Users\gargankit\autorest\@autorest_python@5.4.0\node_modules\@autorest\python\venv\Scripts\Activate.ps1

python -m pip install -U pip

python -m pip install ptvsd==2.2.0

python -m pip install mistune==0.8.4

python -m pip install m2r

python -m pip install azdev

azdev setup

D:\CliDev\azure-cli

D:\CliDev\azure-cli-extensions

autorest --version=3.0.6370 --az --use=@autorest/az@latest --use=@autorest/python@5.4.0 --

azure-cli-extension-folder=D:\CliDev\azure-cli-extensions

D:\CliDev\swagger\specification\workloads\resource-manager\readme.md --pass-thru:schema-validator-swagger --verbose

[illegible]

Warnings

WARNING (PreCheck/AllOfWhenYouMeantRef): An anonymous inline schema for property 'UpdateSAPVirtualInstanceRequest.identity' is using an 'allOf' instead of a \$ref. This creates a wasteful anonymous type when generating code. Don't do that. - removing.

WARNING (PreCheck/AllOfWhenYouMeantRef): Schema 'WindowsConfiguration' is using an 'allOf' instead of a \$ref. This creates a wasteful anonymous type when generating code.

WARNING (PreCheck/AllOfWhenYouMeantRef): An anonymous inline schema for property 'SAPVirtualInstanceProperties.errors' is using an 'allOf' instead of a \$ref. This creates a wasteful anonymous type when generating code. Don't do that. - removing.

WARNING (PreCheck/AllOfWhenYouMeantRef): An anonymous inline schema for property 'SAPVirtualInstance.identity' is using an 'allOf' instead of a \$ref. This creates a wasteful anonymous type when generating code. Don't do that. - removing. WARNING (PreCheck/AllOfWhenYouMeantRef): An anonymous inline schema for property 'SAPApplicationServerProperties.errors' is using an 'allOf' instead of a \$ref. This creates a wasteful anonymous type when generating code. Don't do that. - removing.

WARNING (PreCheck/AllOfWhenYouMeantRef): An anonymous inline schema for property 'SAPCentralServerProperties.errors' is using an 'allOf' instead of a \$ref. This creates a wasteful anonymous type when generating code. Don't do that. - removing.

WARNING (PreCheck/AllOfWhenYouMeantRef): An anonymous inline schema for property 'SAPDatabaseProperties.errors' is using an 'allOf' instead of a \$ref. This creates a wasteful anonymous type when generating code. Don't do that. - removing.

WARNING (PreCheck/SchemaMissingType): The schema 'UpdateSAPVirtualInstanceRequest-identity' with an undefined type and 'allOf'/'anyOf'/'oneOf' is a bit ambiguous. This has been auto-corrected to 'type:object'

WARNING (PreCheck/SchemaMissingType): The schema 'SAPVirtualInstanceProperties-errors' with an undefined type and 'allOf'/'anyOf'/'oneOf' is a bit ambiguous. This has been auto-corrected to 'type:object'

WARNING (PreCheck/SchemaMissingType): The schema 'SAPVirtualInstance-identity' with an undefined type and 'allOf'/'anyOf'/'oneOf' is a bit ambiguous. This has been auto-corrected to 'type:object'

WARNING (PreCheck/SchemaMissingType): The schema 'SAPApplicationServerProperties-errors' with an undefined type and 'allOf'/'anyOf'/'oneOf' is a bit ambiguous. This has been auto-corrected to 'type:object'

WARNING (PreCheck/SchemaMissingType): The schema 'SAPCentralServerProperties-errors' with an undefined type and 'allOf'/'anyOf'/'oneOf' is a bit ambiguous. This has been auto-corrected to 'type:object'

WARNING (PreCheck/SchemaMissingType): The schema 'SAPDatabaseProperties-errors' with an undefined type and 'allOf'/'anyOf'/'oneOf' is a bit ambiguous. This has been auto-corrected to 'type:object'

WARNING (PreCheck/CheckDuplicateSchemas): Checking for duplicate schemas, this could take a (long) while. Run with --verbose for more detail.

WARNING (PreCheck/PropertyRedeclarationWarning): Schema 'SAPVirtualInstance' has a property 'systemData' that is already declared the parent schema 'Resource' but isn't significantly different. The property has been removed from SAPVirtualInstance

WARNING (PreCheck/PropertyRedeclarationWarning): Schema 'SAPApplicationServerInstance' has a property 'systemData' that is already declared the parent schema 'Resource' but isn't significantly different. The property has been removed from SAPApplicationServerInstance

WARNING (PreCheck/PropertyRedeclarationWarning): Schema 'SAPCentralServerInstance' has a property 'systemData' that is already declared the parent schema 'Resource' but isn't significantly different. The property has been removed from SAPCentralServerInstance

WARNING (PreCheck/PropertyRedeclarationWarning): Schema 'SAPDatabaseInstance' has a property 'systemData' that is already declared the parent schema 'Resource' but isn't significantly different. The property has been removed from SAPDatabaseInstance

WARNING (): cli.auto-parameter-hidden is not true, skip visibility cleaner

INFORMATION: NOTE: You are currently generating based on track2 SDK

INFORMATION: As clear output folder is set, generation-mode in code model is: Full

Other information while generation

Detailed logs: <https://paste.microsoft.com/a913f23e-c57b-454c-a0d9-f8a0828bdb16>

BELOW TEST SCENARIO SECTION CAN BE USED IN readme.cli.md

test-scenario:

- name: /SAPVirtualInstances/put/SAPVirtualInstances_Create_Distributed
- name: /SAPVirtualInstances/put/SAPVirtualInstances_Create_HA_AvSet
- name: /SAPVirtualInstances/put/SAPVirtualInstances_Create_HA_AvZone
- name: /SAPVirtualInstances/put/SAPVirtualInstances_Create_SingleServer
- name: /SAPVirtualInstances/get/SAPVirtualInstances_Get
- name: /SAPVirtualInstances/get/SAPVirtualInstances_ListByResourceGroup
- name: /SAPVirtualInstances/get/SAPVirtualInstances_ListBySubscription
- name: /SAPVirtualInstances/patch/SAPVirtualInstances_Update
- name: /SAPVirtualInstances/post/SAPVirtualInstances_Start
- name: /SAPVirtualInstances/post/SAPVirtualInstances_Stop
- name: /SAPApplicationServerInstances/put/SAPApplicationServerInstances_Create
- name: /SAPApplicationServerInstances/get/SAPApplicationServerInstances_Get
- name: /SAPApplicationServerInstances/get/SAPApplicationServerInstances_List

- name: /SAPApplicationServerInstances/patch/SAPApplicationServerInstances_Update
- name: /SAPApplicationServerInstances/delete/SAPApplicationServerInstances_Delete
- name: /SAPCentrallInstances/put/SAPCentrallInstances_Create
- name: /SAPCentrallInstances/get/SAPCentrallInstances_Get
- name: /SAPCentrallInstances/get/SAPCentrallInstances_List
- name: /SAPCentrallInstances/patch/SAPCentrallInstances_Update
- name: /SAPCentrallInstances/delete/SAPCentrallInstances_Delete
- name: /SAPDatabaseInstances/put/SAPDatabaseInstances_Create
- name: /SAPDatabaseInstances/get/SAPDatabaseInstances_Get
- name: /SAPDatabaseInstances/get/SAPDatabaseInstances_List
- name: /SAPDatabaseInstances/patch/SAPDatabaseInstances_Update
- name: /SAPDatabaseInstances/delete/SAPDatabaseInstances_Delete
- name: /SAPVirtualInstances/delete/SAPVirtualInstances_Delete
- name: /workloads/post/SAPAvailabilityZoneDetails_eastus
- name: /workloads/post/SAPAvailabilityZoneDetails_northeurope
- name: /workloads/post/SAPDiskConfigurations_NonProd
- name: /workloads/post/SAPDiskConfigurations_Prod
- name: /workloads/post/SAPSizingRecommendations_S4HANA_Distributed
- name: /workloads/post/SAPSizingRecommendations_S4HANA_DistributedHA_AvSet
- name: /workloads/post/SAPSizingRecommendations_S4HANA_DistributedHA_AvZone
- name: /workloads/post/SAPSizingRecommendations_S4HANA_SingleServer
- name: /workloads/post/SAPSupportedSkus_Distributed
- name: /workloads/post/SAPSupportedSkus_DistributedHA_AvSet
- name: /workloads/post/SAPSupportedSkus_DistributedHA_AvZone
- name: /workloads/post/SAPSupportedSkus_SingleServer

Build the extension

- Cd D:\CliDev\azure-cli-extensions\src\workloads\
- python setup.py sdist bdist_wheel
- az extension add --source=D:\CliDev\azure-cli-extensions\src\workloads\dist\workloads-0.1.0-py3-none-any.whl
 - o check [az extension | Microsoft Docs](#) in case of issues
 - o `az extension remove --name workloads`

- az login
- az account set --subscription "49d64d54-e966-4c46-a868-1999802b762c"
- az account show -otable
 - o should show correct account