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{
  "$schema": "https://schema.management.azure.com/schemas/2019-04-01/deploymentTemplate.json#",
  "contentVersion": "1.0.0.0",
  "parameters": {
    "storageAccountType": {
      "type": "string",
      "defaultValue": "Standard_LRS",
      "allowedValues": [
        "Standard_LRS",
        "Standard_GRS"
      ],
      "metadata": {
        "description": "Storage account type"
      }
    },
    "fileShareName": {
      "type": "string",
      "defaultValue": "sftpfileshare01",
      "metadata": {
        "description": "Name of file share to be created"
      }
    },
    "sftpUser": {
      "type": "string",
      "metadata": {
        "description": "Username to use for SFTP access"
      }
    },
    "sftpPassword": {
      "type": "securestring",
      "metadata": {
        "description": "Password to use for SFTP access"
      }
    },
    "location": {
      "type": "string",
      "defaultValue": "[resourceGroup().location]",
      "metadata": {
        "description": "Primary location for resources"
      }
    }
  },
  "variables": {
    "cliContainerName": "create-share",
    "cliContainerGroupName": "create-share-group",
    "cliContainerImage": "microsoft/azure-cli:latest",
    "sftpContainerName": "sftp",
    "sftpContainerGroupName": "sftp-group",
    "sftpContainerImage": "atmoz/sftp:latest",
    "sftpEnvVariable": "[concat(parameters('sftpUser'), ':',
parameters('sftpPassword'), ':1001')]",
    "storageAccountName": "[concat('sftpstg',
uniqueString(resourceGroup().id))]",
    "storageKind": "StorageV2",
    "storageAccessTier": "Hot",
    "supportsHttpsTrafficOnly": true
  }
}

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    },
    "resources": [
      {
        "type": "Microsoft.Resources/deployments",
        "name": "pid-18f281fe-d1e1-502c-8b87-d945383dc75b",
        "apiVersion": "2015-01-01",
        "properties": {
          "mode": "Incremental",
          "template": {
            "$schema":
"https://schema.management.azure.com/schemas/2015-01-01/deploymentTemplate.json#",
            "contentVersion": "1.0.0.0",
            "resources": []
          }
        }
      },
      {
        "type": "Microsoft.Storage/storageAccounts",
        "name": "[variables('storageAccountName')]",
        "apiVersion": "2018-02-01",
        "location": "[parameters('location')]",
        "sku": {
          "name": "[parameters('storageAccountType')]"
        },
        "kind": "[variables('storageKind')]",
        "properties": {
          "accessTier": "[variables('storageAccessTier')]",
          "supportsHttpsTrafficOnly":
"[variables('supportsHttpsTrafficOnly')]"
        }
      },
      {
        "type": "Microsoft.ContainerInstance/containerGroups",
        "name": "[variables('cliContainerGroupName')]",
        "apiVersion": "2018-04-01",
        "location": "[parameters('location')]",
        "dependsOn": [
          "[variables('storageAccountName')]"
        ],
        "properties": {
          "containers": [
            {
              "name": "[variables('cliContainerName')]",
              "properties": {
                "image": "[variables('cliContainerImage')]",
                "command": [
                  "az",
                  "storage",
                  "share",
                  "create",
                  "--name",
                  "[parameters('fileShareName')]"
                ],
                "environmentVariables": [
                  {
                    "name": "AZURE_STORAGE_KEY",

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        "value":
"[listKeys(variables('storageAccountName'),'2018-02-01').keys[0].value]"
    },
    {
        "name": "AZURE_STORAGE_ACCOUNT",
        "value":
"[variables('storageAccountName')]"
    }
],
"resources": {
    "requests": {
        "cpu": 1,
        "memoryInGB": 1
    }
}
}
},
"restartPolicy": "OnFailure",
"osType": "Linux"
}
},
{
    "type": "Microsoft.ContainerInstance/containerGroups",
    "name": "[variables('sftpContainerGroupName')]",
    "apiVersion": "2018-04-01",
    "location": "[parameters('location')]",
    "dependsOn": [
        "[variables('cliContainerGroupName')]"
    ],
    "properties": {
        "containers": [
            {
                "name": "[variables('sftpContainerName')]",
                "properties": {
                    "image": "[variables('sftpContainerImage')]",
                    "environmentVariables": [
                        {
                            "name": "SFTP_USERS",
                            "value": "[variables('sftpEnvVariable')]"
                        }
                    ],
                    "resources": {
                        "requests": {
                            "cpu": 2,
                            "memoryInGB": 1
                        }
                    },
                    "ports": [
                        {
                            "port": 22
                        }
                    ],
                    "volumeMounts": [
                        {
                            "mountPath": "[concat('/home/',
parameters('sftpUser'), '/upload')]"

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        "name": "sftpvolume",
        "readOnly": false
    }
    ]
}
},
"osType": "Linux",
"ipAddress": {
    "type": "Public",
    "ports": [
        {
            "protocol": "TCP",
            "port": 22
        }
    ]
},
"restartPolicy": "OnFailure",
"volumes": [
    {
        "name": "sftpvolume",
        "azureFile": {
            "readOnly": false,
            "shareName": "[parameters('fileShareName')]",
            "storageAccountName":
"[variables('storageAccountName')]",
            "storageAccountKey":
"[listKeys(variables('storageAccountName'),'2018-02-01').keys[0].value]"
        }
    }
]
}
},
],
"outputs": {
    "containerIPv4Address": {
        "type": "string",
        "value":
"[reference(resourceId('Microsoft.ContainerInstance/containerGroups/',
variables('sftpContainerGroupName'))).ipAddress.ip]"
    }
}
}

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