

Microsoft
experiences'16
Palais des Congrès de Paris

Mardi 4 octobre • Journée **Business**

Mercredi 5 octobre • Journée **Technique**

#experiences

Azure & Azure Stack : un script pour 2 environnements

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Mercredi 5 octobre • Palais des Congrès de Paris

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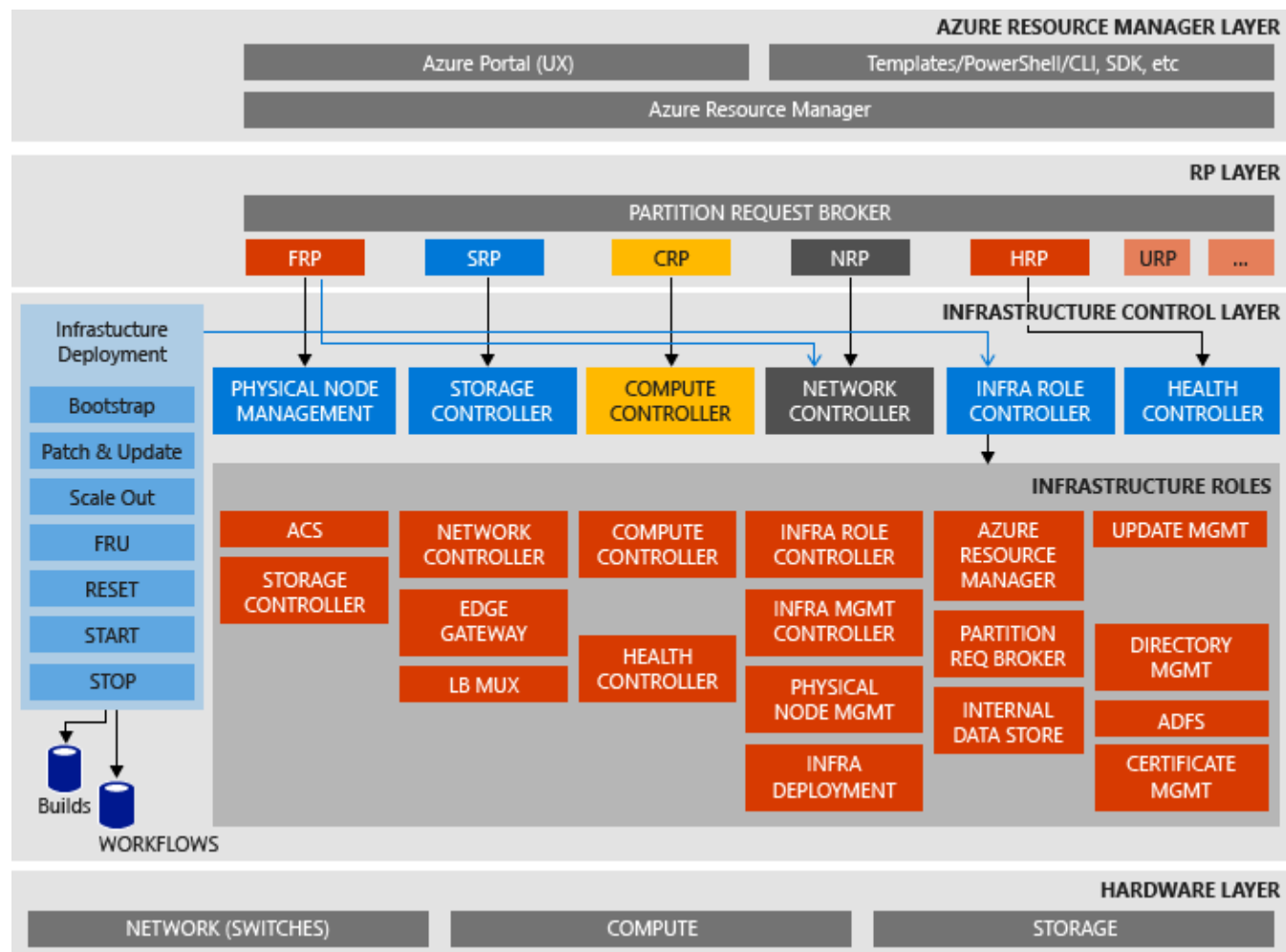
Blog: <http://microsofttouch.fr/default/b/florent/>

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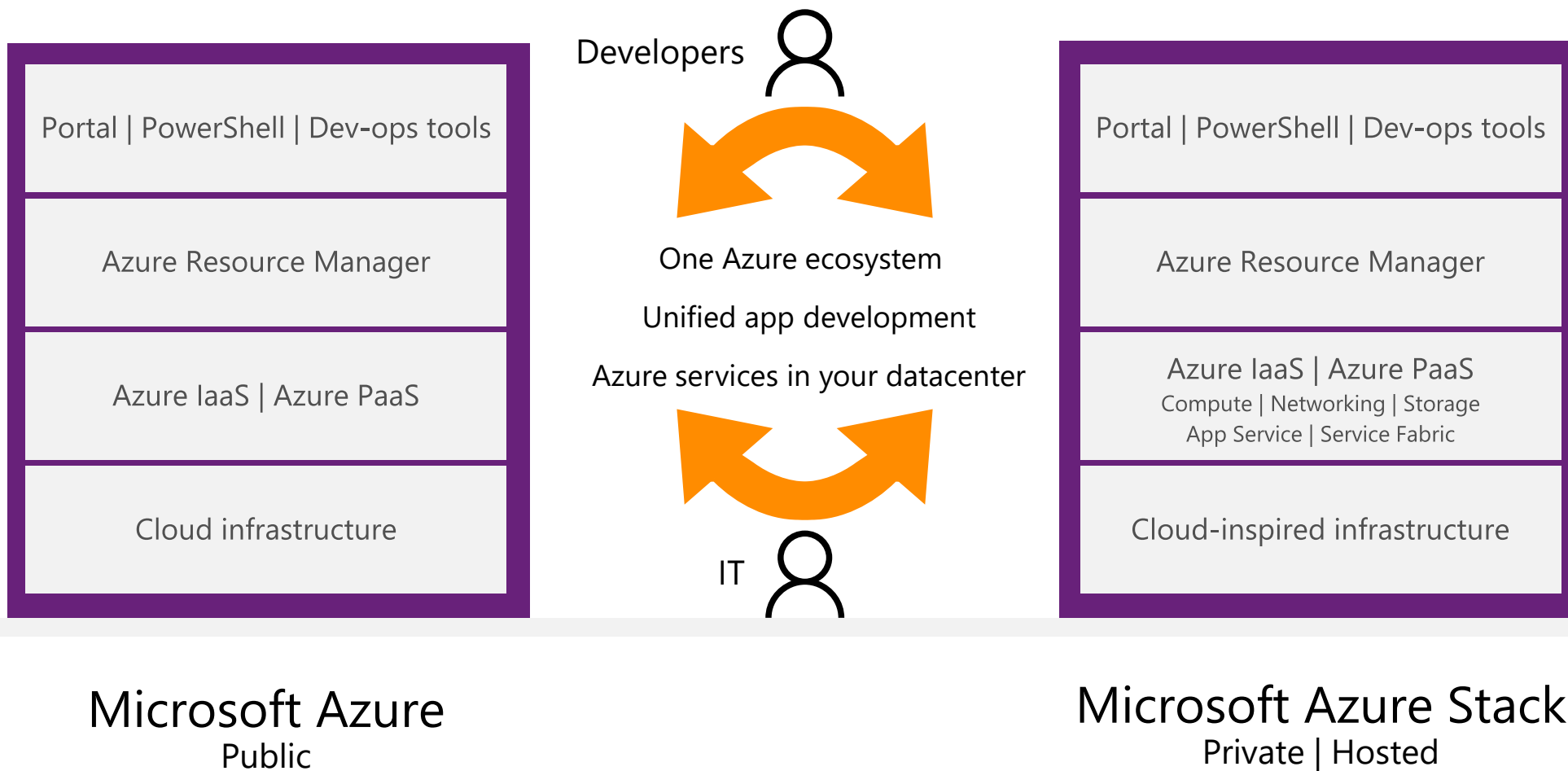
Azure Stack

Azure Stack Technical Preview 2

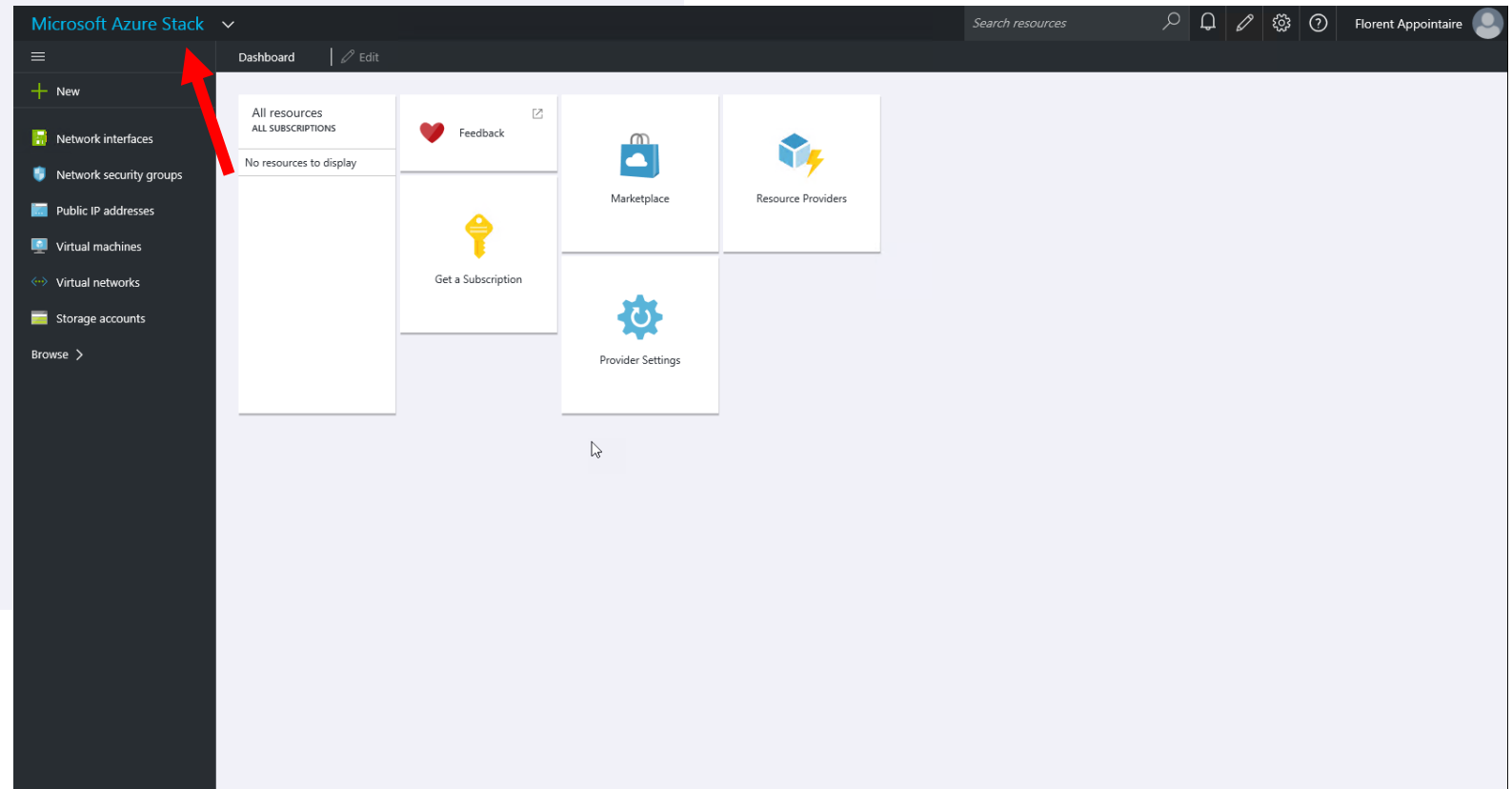
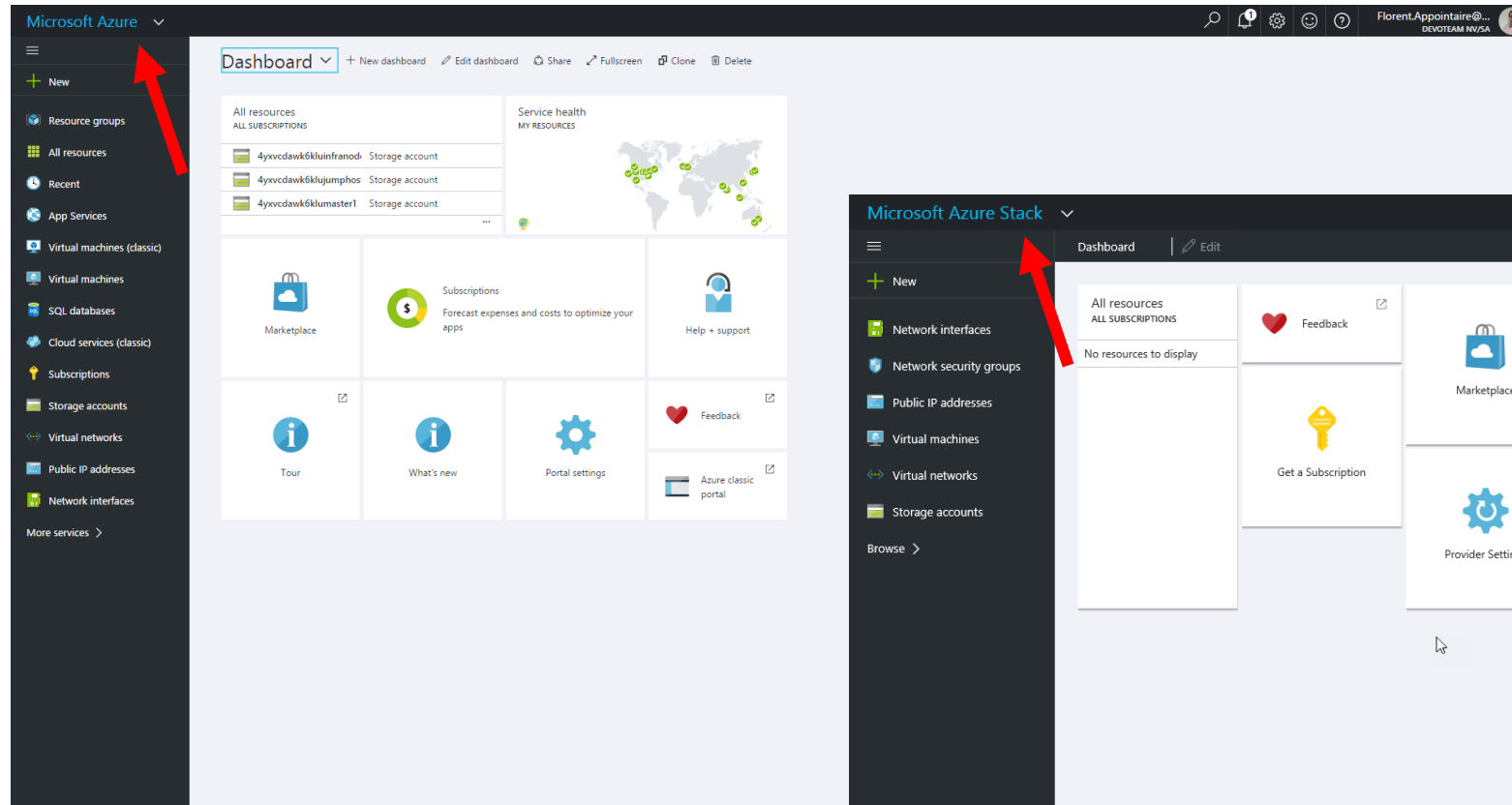


- Abonnement Azure
- Azure Active Directory
 - Création de tenant
 - Utilisation de MFA possible
- Un serveur physique
 - 16 CPU
 - 128 GB of RAM
 - 4 disques (minimum 250GB chacun)

Microsoft Azure Stack en mode hybride

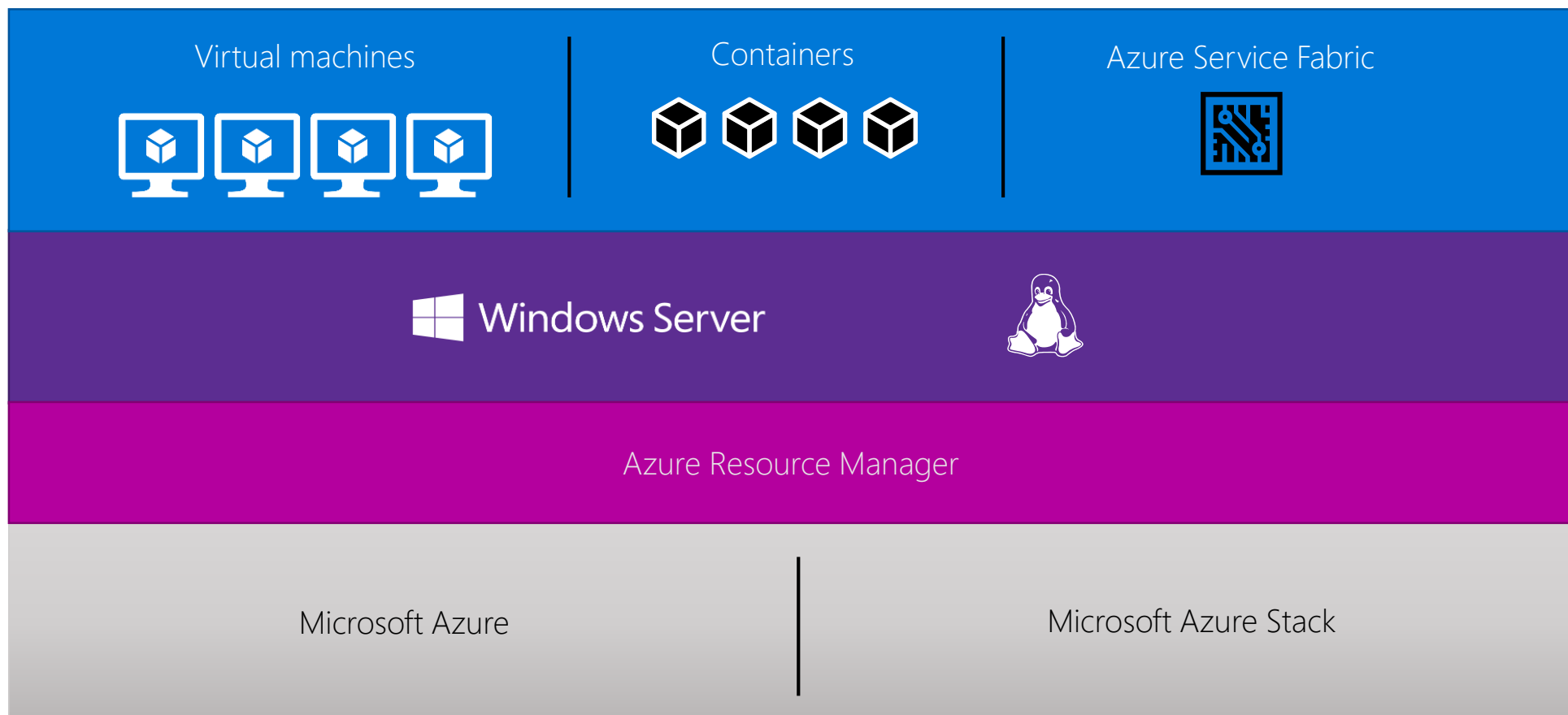


2 interfaces similaires



1 fichier ARM pour déployer partout

Tools (Visual Studio, PowerShell ISE, Visual Code, etc.)



Module PowerShell

Property	Azure	Azure Stack
Localisation	Région Azure (exemple: northeurope, westeurope)	local
blobStorageEndpoint	blob.core.windows.net	blob.azurestack.local
vmSize	Standard_D1	Standard_A1
vmName apiVersion	2015-06-15	2015-06-15
StorageAccountName apiVersion	2015-06-15	2015-06-15
nicName apiVersion	2015-06-15	2015-05-01-preview
virtualNetworkName apiVersion	2015-06-15	2015-05-01-preview
networkSecurityGroupName apiVersion	2015-06-15	2015-05-01-preview
dnsNameForPublicIP apiVersion	2015-06-15	2015-05-01-preview
storageAccountName apiVersion	2015-06-15	2015-05-01-preview

Modèle ARM avec JSON

The screenshot displays the Azure portal's ARM template editor. The left sidebar, titled 'Structure JSON', shows a tree view of the template's structure. It includes sections for 'parameters (11)', 'variables (4)', and 'resources (6)'. The 'resources' section is expanded, showing a list of resources including '[vmName]', '[nicName]', '[networkSecurityGroupName]', '[dnsNameForPublicIP]', '[virtualNetworkName]', and '[StorageAccountName]'. A red arrow points to the '[vmName]' resource. The main editor area shows the JSON template code. The schema is 'https://schema.management.azure.com/schemas/2015-01-01/deploymentTemplate.json#'. The code is a JSON object with 'parameters', 'variables', and 'resources' sections. A red arrow points to the 'location' variable in the 'variables' section. The 'resources' section contains two resource objects: a 'Microsoft.Compute/virtualMachines' resource and a 'Microsoft.Network/networkInterfaces' resource. The 'Microsoft.Compute/virtualMachines' resource has properties for 'hardwareProfile', 'storageProfile', 'osDisk', 'osProfile', 'secrets', and 'networkProfile'. The 'Microsoft.Network/networkInterfaces' resource has properties for 'ipConfigurations'.

Structure JSON

- parameters (11)
 - adminUsername
 - adminPassword
 - vmName
 - nicName
 - networkSecurityGroupName
 - dnsNameForPublicIP
 - virtualNetworkName
 - deploymentLocation
 - StorageAccountName
 - blobStorageEndpoint
 - vmSize
- variables (4)
 - location
 - vmSize
 - OSDiskName
 - StorageAccountContainerName
- resources (6)
 - [vmName]
 - [nicName]
 - [networkSecurityGroupName]
 - [dnsNameForPublicIP]
 - [virtualNetworkName]
 - [StorageAccountName]

Comment déployer des artefacts de projet à l'aide d'un modèle de déploiement Azure ?

AzureandAzureStack.json

Schéma : <https://schema.management.azure.com/schemas/2015-01-01/deploymentTemplate.json#>

```
{
  "comments": "Generalized from resource: '/subscriptions/7723dfc7-991a-4690-900c-4f52b81ebef5/resourceGroups/51316testrg/providers/Microsoft.Compute/virtualMachines/51316testvm'.",
  "type": "Microsoft.Compute/virtualMachines",
  "name": "[parameters('vmName')]",
  "apiVersion": "2015-06-15",
  "location": "[variables('location')]",
  "properties": {
    "hardwareProfile": {
      "vmSize": "[variables('vmSize')]"
    },
    "storageProfile": {
      "imageReference": {
        "publisher": "MicrosoftWindowsServer",
        "offer": "WindowsServer",
        "sku": "2012-R2-Datacenter",
        "version": "latest"
      },
      "osDisk": {
        "name": "[parameters('vmName')]",
        "createOption": "FromImage",
        "vhd": {
          "uri": "[concat('http://', parameters('StorageAccountName'), '.', parameters('blobStorageEndpoint'), '/', variables('StorageAccountContainerName'), '/', variables('OSDiskName'))]",
          "caching": "ReadWrite"
        }
      },
      "dataDisks": [ ]
    },
    "osProfile": {
      "computerName": "[parameters('vmName')]",
      "adminUsername": "[parameters('adminUsername')]",
      "windowsConfiguration": {
        "provisionVMAgent": true,
        "enableAutomaticUpdates": true
      },
      "secrets": [ ],
      "adminPassword": "[parameters('adminPassword')]"
    },
    "networkProfile": [ ]
  },
  "dependsOn": [ ]
},
{
  "comments": "Generalized from resource: '/subscriptions/7723dfc7-991a-4690-900c-4f52b81ebef5/resourceGroups/51316testrg/providers/Microsoft.Network/networkInterfaces/51316testvm'.",
  "type": "Microsoft.Network/networkInterfaces",
  "name": "[parameters('nicName')]",
  "apiVersion": "2015-05-01-preview",
  "location": "[variables('location')]",
  "properties": {
    "ipConfigurations": [ ]
  }
}
```

A wide-angle photograph of a large audience seated in a theater, facing a stage. The audience is seated in red chairs, and many are looking towards the stage. On the stage, a speaker is standing at a podium, and a large screen displays a blue, pixelated graphic. The stage is lit with blue and white spotlights, and the audience area is dimly lit. A purple rectangular box is overlaid on the left side of the image, containing the word "Demo" in white text.

Demo

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Poursuivons la discussion avec
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Notez cette session

Et tentez de gagner un Surface Book



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au questionnaire de satisfaction globale**

** Le règlement est disponible sur demande au commissariat général de l'exposition. Image non-contractuelle*