

# Pipeline Scheduling with Azure Functions

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### 1. Automatic Push

This option allows LeapLogic to generate Azure Function codes dynamically and push that to your selected Azure cloud environment to generate Azure functions. It also allows to trigger the pipeline execution or schedule pipelines. You can provide the credentials of the respective cloud environment in the given format.

- 1. Go to Operationalization > Parallel Run.
- 2. Select the pipelines that need to be scheduled.

≡	leap <mark>l</mark>	ogic	
$\bigcirc$	$\leftarrow$	Parallel Run	
		Schedule	
		Name* Schedule-azure	
Ò		Pipelines*	
Ц.		Pipeline_val_fu × Executions: 5   Success: 5	
<b>.</b>			
Ø		Schedule Type*	
í		Basic Advanced Cron Expression	
		Schedule your workflow at a particular frequency, for a particular time interval.	
		Schedule	CANCEL

- 3. Click Advanced as schedule type.
- 4. Select Environment for advance trigger. Select Azure.
- 5. Click Automatically. You can upload the properties file as per the below format.

clientId=<Azure Client Id> clientSecret=<Azure Client Secret> tenantId=<Azure Tenant Id> subscriptionId=<Azure Subscription Id> resourceGroupName=<Resource group name under which Function App is created> FunctionAppName=<Function App Name>

#### Note

To create an Azure Function app, refer to Creating Azure Function App.

Environment With Aurue AVS AVS AVS AVS AVS AVS AVS AVS	≡ le	aplogic		
<ul> <li>Manually ▲ Automatically</li> <li>Properties File*</li> <li>Drag and drop files here or or e Browse Files         Only TXT. files you can upload.</li> </ul>		AWS Azure	Google Coust Partnem	
Image: Provide Files   Or   Image: Provide Files   Only TXT: files you can upload.		Properties File*	matically	
		Urag and drop files here or Only TXT. files you can upload.	Uploaded files Tota: 1 files 0 Zip   274 Bytes azure-properties.txt 274 Bytes of 274 Bytes	

6. Click **Schedule**. This generates the Azure functions on the cloud environment with the provided Azure environment details.

Environment*	
Advanced Scheduler	×
Image: State of the state o	
AWS Azure Environment	
Properties File*	
Your download will start in a few seconds. If your download does n click the Download Artifacts button.	not start, please
Drag and drop files here	

## 2. Manual

This option allows LeapLogic to generate the Azure function codes dynamically. You can download the generated code in zip format and generate the Azure functions manually.

- 1. Go to Operationalization > Parallel Run.
- 2. Select the pipelines to schedule.
- 3. Click Advanced as schedule type.
- 4. Select Environment for advance trigger and then select **Azure**.
- 5. Click Manually.

≡ leap <mark>lo</mark>	gic	
() 1	Pipelines* Pipeline_val × + Executions: 2   Success: 0 Jan 25, 2023 4:51: SELECT PIPELINE	
	Schedule Type*	
	Environment*	
1	AWS Azure GCP	

6. Click **Schedule**. The download artifact option appears.



7. Download the zip file.

#### 2.1 Creating Azure Functions Manually

- 1. Go to the Azure Function App console under which the functions need to be created.
- 2. Click **Functions** on the left navigation pane.
- 3. Click Create.



4. In Development Environment, select **Develop in portal**.

	Microsoft Azure	h resources, services, and docs (G+/)		区 記 印 の R tanvi,prajapati@impetu 🤮
Ho »	me > Function App > premiumfunction {fx} premiumfunction Function App	onappazure happazure   Functions …	Create function	×
	₽ Search	Create Create Refresh Delete     Del	Select development enviro Instructions will vary based on yo	onment uur development environment. Learn more
	Activity log	Filter by name	Development environ	Develop in portal
	<ul> <li>Access control (IAM)</li> <li>Tags</li> <li>Diagnose and solve problems</li> </ul>	Name Tu Tr	Select a template	an Trianarr decrifte the tune of events that involve your functions. Lower more
	<ul> <li>Microsoft Defender for Cloud</li> <li>Events (preview)</li> </ul>		Filter	on, ingges declare the type of events that invoke your functions, team more
	Functions		Azure Cosmos DB trigger	A function that will be run whenever documents change in a document collection
	Functions		Azure Event Grid trigger	A function that will be run whenever an event grid receives a new event
	(x) Functions		Durable Functions HTTP starter	A function that will trigger whenever it receives an HTTP request to execute an orchestrator function.
	T App keys		Durable Functions activity	A function that will be run whenever an Activity is called by an orchestrator function.
	777 App files		Durable Functions entity	Durable Functions entity that stores state.
	->- Proxies		Durable Functions orchestrator	An orchestrator function that invokes activity functions in a sequence.
	Deployment		Kafka output	A function that will send messages to a specified Kafka topic
	😎 Deployment slots		Kafka trigger	A function that will be run whenever a message is added to a specified Kafka topic

5. Provide a New Function name same as the schedule name.

ivanie i y					
No results.		Durable Functions activity	A function that will be run whenever an Activity is	s called by an orchestrator function.	
	-	Durable Functions entity	Durable Functions entity that stores state.		
		Durable Functions orchestrator	An orchestrator function that invokes activity fun-	ctions in a sequence.	
		Kafka output	A function that will send messages to a specified	Kafka topic	
		Kafka trigger	A function that will be run whenever a message is	s added to a specified Kafka topic	
		RabbitMQ trigger	s added to a specified RabbitMQ queue	-	
		Template details We need more information to create th	e HTTP trigger function. Learn more		
		New Function *		schedule	
		Authorization level *		Function	-
oft.com/resource/subscriptions/d1		Create Cancel			Ŧ

- 6. Extract the zip file downloaded at the time of the schedule.
- 7. Click **Upload** and then upload the \_\_init\_\_.py and Certificate.pem files.
- 8. Azure will not be able to parse the Certificate.pem file. Open the Certificate.pem file in notepad, copy the content, and paste it in the Certificate.pem file in the Azure functions.

	P Search resources, services, and docs (G+/) 🗵 💀 📀 🛞 🔗 🔗 tarwi projapati@impetu 🧕
Home > Function App > pre schedule   Co Function	miumfunctionappazure   Functions > schedule de + Test … ×
₽ Search	« 🗟 Save X Discard 🖒 Refresh 🚥 Test/Run 🛓 Test integration 🔻 Upload 🗋 Get function URL
{fx} Overview	premiumfunctionappazure \ schedule \initpy ~
Developer	1 import logging
Code + Test	2 2 2 2
🗲 Integration	4 amport azure runcitons as runc
Monitor Function Keys	<pre>5 6 def main(req: func.HttpRequest) -&gt; func.HttpResponse: 7</pre>
	∨ Logs 📱 App Insights Logs ∨ 🖓 Log Level ∨ 🔲 Stop 🜓 Copy 🗡 Clear 🖍 Maximize ♡ Leave Feedback
	Connecting to Application Insights

This generates the Azure functions.

#### Note

To create functions through the Azure portal, you need to use the Functions Premium Plan while creating Function App.

#### 2.2 Using Azure Functions to Schedule/Execute Pipeline

You can now execute or schedule the pipelines as per your requirements by triggering Azure functions with appropriate JSON. You can also provide its credentials in JSON format to authorize/authenticate beforehand.

For example, execute an Azure function by triggering REST endpoint generated.

1. You can find the Trigger URL as shown below.

Home > Microsoft.Web-FunctionApp-F	ortal-2e935f61-91be Overview > azurefunctionbasic-leaplogic Functions > Schedule-1674570603939 503939   Code + Test	×
<mark>,</mark>	🗟 Save 🗙 Discard 🕐 Refresh 🚥 Test/Run 🗸 Test integration 🜴 Upload 🗟 Get function URL	
(fr) Overview	Editing Python Function Apps is not supported in the Azure portal. Use your local development envil	
Developer	azurefunctionbasic-leaplogic \ Schedule-1674570603939 \initpy Get function URL	
🚾 Code + Test	1 Key URL	
🗲 Integration	2 import logging default V https://azurefunctionbasic-leaplogic.azu D	
Monitor	3 Import Json	_
📍 Function Keys	5 from importlib import import module	
	7 try:	

2. Use this URL to trigger the pipeline with the appropriate JSON.



#### Note

For HTTPS deployment, upload the Certificate.pem file. The file is not readable until it is explicitly saved. So, you need to go to the created Azure function and then choose the Certificate.pem file and save it explicitly.

```
i.
       JSON to execute pipelines
       {
        "username": "idwadmin",
        "password": "Password@123",
        "scheduleJson": {},
        "cronSchedule": false,
        "cronExpression": ""
       }
ii.
       JSON to schedule with basic details
       {
        "username": "idwadmin",
        "password": "Password@123",
        "scheduleJson": {
         "startDate": "2022-12-27",
         "endDate": "2022-12-27",
         "startTime": "18:05",
         "endTime": "18:06",
         "minutes": 0,
         "timezone": "Asia/Calcutta",
         "frequency": "NONE"
        },
```

```
"cronSchedule": false,
"cronExpression": ""
}
```

#### Note

Frequency can be NONE (Once), DAILY, WEEKLY, MONTHLY, YEARLY, and CUSTOM. CUSTOM allows you to specify an interval of minutes for the schedule.

iii. JSON to schedule with cron expression

```
{
    "username": "idwadmin",
    "password": "Password@123",
    "scheduleJson": {},
    "cronSchedule": true,
    "cronExpression": "0 30 18 27 12 ? 2022"
}
```

- 3. You can also curl the API URL.
- 4. You can also integrate the API URL in this application.

#### 2.3 Creating Azure Function App

- 1. Go to Function App in the Azure console.
- 2. In Runtime stack, select Python.
- 3. In **Version**, select *3.7* with the appropriate region.

$\equiv$ Microsoft Azure	O Search resources, services, and docs (G+/)
Home > Function App >	
<b>Create Function Ap</b>	
Basics Hosting Networkir	g Monitoring Deployment Tags Review + create
Create a function app, which lets y of resources. Functions lets you ex- publish a web application.	ou group functions as a logical unit for easier management, deployment and sharing ecute your code in a serverless environment without having to first create a VM or
Project Details	
Select a subscription to manage de all your resources.	ployed resources and costs. Use resource groups like folders to organize and manage
Subscription * 🕕	IDW Azure Subscription
Resource Group * ①	Functions-App 🗸
	Create new
Instance Details	
Function App name *	azurefunctionbasic-leaplogic 🗸
	.azurewebsites.net
Publish *	● Code ○ Docker Container
Runtime stack *	Python V
Version *	3.7 🗸

4. In **Operating System**, select *Linux* and choose the appropriate plan type.

$\equiv$ Microsoft Azure	𝒫 Search resources, services, and docs (G+/)
Home > Function App >	
Create Function	
Region *	East US 🗸
	Not finding your App Service Plan? Try a different region or select your App Service Environment.
Operating system	
Linux is the only supported Op	perating System for your selection of runtime stack.
Operating System *	● Linux ○ Windows
Plan	
The plan you choose dictates	how your app scales, what features are enabled, and how it is priced. Learn more
Plan type * 🛈	App service plan V
Linux Plan (East US) * 🕕	(New) ASP-FunctionsApp-9fe3
	Create new
Pricing plan	Basic B1 (100 total ACU, 1.75 GB memory, 1 vCPU)
	Explore pricing plans
Zone redundancy	
An Ann Service plan can be de	enloyed as a zone redundant service in the regions that support it. This is a deployment
sanapp bervice plan can be de	proyee as a zone redundant service in the regions that support to this is a deployment
Review + create <	Previous Next : Hosting >

5. Click Next. In **Storage account**, select account.

≡ м	icrosoft Az	cure 🔎 s	earch resources,	services, and docs	s (G+/)	
Home > I	Function Ap	ob >				
Create	e Funct	tion App				
Basics	Hosting	Networking	Monitoring	Deployment	Tags	Review + create
Storage						
When cre Queue, ar	ating a funct nd Table stor	tion app, you mus age.	t create or link t	o a general-purpo	se Azure	Storage account that supports Blobs,
Storage a	ccount *		(New) fun	ctionsapp8911		$\sim$
			Create new	Create new		

6. In **Enable network injection**, select *On*, if LeapLogic is deployed in a closed network. And in **Virtual Network**, select the virtual network (it should be the same as the virtual machine instance's network). This is not required if LeapLogic is deployed in an open network.

	≫ Search resources, services, and docs (G+/)							
Home > Function App >								
<b>Create Function A</b>								
Basics Hosting Netwo	king Monitoring Deployment Tags Review + create							
Function Apps can be provision network. Function Apps can also governed by network security g and cannot reach into a virtual r	ed with the inbound address being public to the internet or isolated to an Azure virtual be provisioned with outbound traffic able to reach endpoints in a virtual network, be roups or affected by virtual network routes. By default, your app is open to the internet network. These aspects can also be changed after the app is provisioned. Learn more 🗹							
Enable public access * 🛈	● On ◯ Off							
Enable network injection *	• on O off							
Virtual Network								
Select or create a virtual networ	k that is in the same region as your new app.							
Virtual Network *	IDW-Product-vnet (IDW-Product)							
	Create new							
Inbound access								
Select a subnet in the chosen virtual network to place a private endpoint in. Private endpoints enable secure inbound access from only the chosen virtual network. When enabled, your app will not be accessible from the internet.								
Private endpoints are disated and the second sec	A Private endpoints are disabled if public access is enabled.							
Review + create < F	vrevious Next : Monitoring >							

7. In **Monitoring** tab, click Next. No change is required in the Monitoring and Deployment tab.

Basics	Hostina	Networking	Monitoring <b>Deployment</b> Tags	s Review + create	
<b>Enable G</b> test, and repositor GitHub, <u>c</u>	<b>itHub Actio</b> deploy your y here and w go to the Dep	ns to continuou app whenever a ve will add a worl ployment Center	sly deploy your app. GitHub Actions is ar new commit is made in your repository. If flow file to automatically deploy your app once the web app is created to set up you	n automation framework that can build, your code is in GitHub, choose your o to App Service. If your code is not in ır deployment. Learn more 더	
GitHub /	Actions sett	ings			
Continuo	us deployme	ent	💿 Disable 🔵 Enable		
GitHub /	Actions det	alls	oh Apps cap access your reportant		
GitHub A Select yo GitHub ad	Actions det ur GitHub de ccount	<b>alls</b> etails, so Azure W	eb Apps can access your repository.	thorize	
GitHub A Select yo GitHub ad Organiza	Actions deta ur GitHub de ccount tion	<b>ans</b> etails, so Azure W	eb Apps can access your repository.	thorize	
GitHub A Select yo GitHub a Organiza Repositor	Actions deta ur GitHub de ccount tion	ans etails, so Azure W	Peb Apps can access your repository.	thorize       V	
GitHub A Select yo GitHub a Organiza Repositor Branch	Actions det ur GitHub de ccount tion ry	ans ≥tails, so Azure W	/eb Apps can access your repository.           Au           Select organization           Select repository           Select branch	thorize	

8. Click **Review + create** and then click **Create**. This will create the Function App.

9. Provide access to the Application from Access Control (IAM) (Application which is registered and whose client id and client secret id are used to create functions).



- 10. Click Add role assignment.
- 11. In the Role tab, select **Owner**.

н	Home > Function App > TestTurin01   Access control (IAM) >					
F	Add role assignment					$\times$
4	R Got feedback?					
I	Role Members Review + assign					Î
1	A role definition is a collection of permissions. Yo	ou can use the built-in roles or you can create your own custom roles. Learn more 리				
1	Search by role name, description, or ID					
l	Name Ai	Type . An Category . An	T	C-1	Detaile	
	Name TU	Description ↑↓	Туре ↑↓	Category ↑↓	Details	- 1
	Owner	Grants full access to manage all resources, including the ability to assign roles in Azure RBAC.	BuiltInRole	General	View	
	Contributor	Grants full access to manage all resources, but does not allow you to assign roles in Azure RBAC, manage assignment	BuiltInRole	General	View	
	Reader	View all resources, but does not allow you to make any changes.	BuiltInRole	General	View	
	function-manager		CustomRole	None	View	
	Log Analytics Contributor	Log Analytics Contributor can read all monitoring data and edit monitoring settings. Editing monitoring settings inclu	BuiltInRole	Analytics	View	
	Log Analytics Reader	Log Analytics Reader can view and search all monitoring data as well as and view monitoring settings, including viewi	BuiltInRole	Analytics	View	
	Logic App Contributor	Lets you manage logic app, but not access to them.	BuiltInRole	Integration	View	
	Managed Application Contributor Role	Allows for creating managed application resources.	BuiltInRole	Management + Gover	View	
	Managed Application Operator Role	Lets you read and perform actions on Managed Application resources	BuiltInRole	Management + Gover	View	
	Managed Applications Reader	Lets you read resources in a managed app and request JIT access.	BuiltInRole	Management + Gover	View	-
Γ	Review + assign Previous	Next				

12. Click **Select members** and add the Application registered to create functions.

Got feedback?				Select ① leaplogic-f
Role Members	Review + assign			No users, groups, or service principals found.
elected role	Owner			
assign access to	<ul> <li>User, group, or service princip</li> <li>Managed identity</li> </ul>	bal		
lembers	+ Select members			
	Name	Object ID	Туре	Selected members:
	No members selected			Leaplogic - Functions Remove
escription	Optional			

13. Click **Review + assign.** 

#### Note

- 1. If LeapLogic is deployed on an Azure Network, then it is available only in a closed network. The VNet Integration is required to allow functions to communicate with LeapLogic. If LeapLogic is deployed on an open network, then VNet Integration is not required.
- 2. To know how to register an application, refer to <u>Register New Application</u>.

#### 2.4 Creating VNet Integration in Function App

To create a VNet Integration:

- 1. Open the Function App created using the above steps.
- 2. In left navigation pane, click **Networking**.



3. Click VNet Integration.

$\equiv$ Microsoft Azure	𝒫 Search resources, services, and docs (G+/)	Σ					
Home > azurefunctionbasic-leaplogic   Networking >							
VNet Integration azurefunctionbasic-leaplogic							
S <sup>II</sup> Disconnect 🕐 Refresh							
VNet Configur	ation						
+ Add VNet							
VNet Details							
VNet NAME	Not Configured						
LOCATION	Not Configured						
VNet Address Space							
Start Address	End Address						
Not Configured							

- 4. Click Add VNet.
- 5. Select Virtual Network same as Virtual Machine's virtual network where LeapLogic is deployed.
- 6. Select Create New Subnet or Select Existing subnet and then click OK.

Add VNet Integration	×
Subscription	
IDW Azure Subscription	$\sim$
Virtual Network	
IDW-Product-vnet (East US)	$\sim$
Subnet 🔘 Create New Subnet 💿 Select Existing	
Subnet	
default1 (10.0.2.0 - 10.0.2.63)	$\sim$
ОК	

#### Note

When a VPC connector is used, Azure functions can communicate with LeapLogic through internal IP in a closed network. Ensure flag azure.vnet.private.ip.enabled is set to Y in turin-framework.properties. In case of an open network (https deployment), flag azure.vnet.private.ip.enabled should be set to N.

#### 2.5 Register New Application

To register a new application:

- 1. In the Azure portal, select Azure Active Directory.
- 2. Select App registrations.
- 3. Select New registration.

Home > bxaadorg bxaadorg   App regist	trations 🖈 …	×
~	🕂 New registration 🌐 Endpoints 🤌 Troubleshooting 🕐 Refresh 🞍 Download 🖾 Preview features 🕴 🛇 Got feedback?	
U Overview		
Preview features	1 Try out the new App registrations search preview! Click to enable the preview. →	×
X Diagnose and solve problems		
Manage	Starting June 30th; 2020 we will no longer add any new features to Azure Active Directory Authentication Library (ADAL) and Azure AD Graph. We will continue to provide technical support and security undetechnication Library (MDAL) and Microsoft Crash. Lang more.	×
Users	upunes uut we min to longer promoe reacure dpunes, Apprications min neer to be upgraded to microsoft Admenication county (missc) and microsoft shapit. Centri note	
A Groups	Nu serie since a Constantination and the Constantination (Constantination)	
External Identities	All applications <u>Owned applications</u> Deleted applications (Preview)	
Roles and administrators	P Start typing a name or Application ID to filter these results	
Administrative units		
Enterprise applications	This account isn't listed as an owner of any applications in this directory.	
Devices	View all applications in the directory	
App registrations		
Identity Governance		
Application proxy		
🔓 Licenses		
Azure AD Connect		
🐖 Custom domain names		
Ø Mobility (MDM and MAM)		
📍 Password reset		
Company branding		

4. In **Supported account types**, select *Accounts in this organization directory only*.

Home > App registrations >
Register an application
* Nama
- Name -
The user-facing display name for this application (this can be changed later).
Supported account types
Who can use this application or access this API?
Accounts in this organizational directory only (Skyhigh Networks only - Single tenant)
Accounts in any organizational directory (Any Azure AD directory - Multitenant)
Accounts in any organizational directory (Any Azure AD directory - Multitenant) and personal Microsoft accounts (e.g. Skype, Xbox)
Personal Microsoft accounts only
Help me choose
Redirect URI (optional)
We'll return the authentication response to this URI after successfully authenticating the user. Providing this now is optional and it can be changed later, but a value is required for most authentication scenarios.
Select a platform V e.g. https://example.com/auth
Register an app you're working on here. Integrate gallery apps and other apps from outside your organization by adding from Enterprise applications.
Processed in a survey serve to the Millson of Distance Parilaine - 7
by proceeding, you agree to the Microsoft Platform Policies 🔄
Register

5. After registering a new application, find the application (client) ID and Directory (tenant) ID from the overview menu option.

Home > App registrations >	bme > App registrations >				
service-principal-sprin	t-demo 💉 …	;			
Search (Cmd+/) «	🔋 Delete 🜐 Endpoints 🖽 Preview features				
Uverview	A Foundable				
<ul> <li>Quickstart</li> <li>Integration assistant</li> </ul>	► Essentials Display name     : <u>service-principal-sprint-steme</u> Copy to dipboard Application (dient) D     : \$1535745 e40a-4723 99ce-975ebe52tc88	Client credentials : <u>Add a certificeto ac secret</u>			
Manage	Object ID : 86a5ec2d-0103-405c-8fb9-77749b10b1fc	Application ID URI : Add an Application ID URI			
<ul> <li>Branding &amp; properties</li> <li>Authentication</li> </ul>	Directory (tenant) ID : 3111711-7624-9499-9694-4646a9a4a7c Supported account types : My conservation only	Managed application in L. : service:principal-sprint-demo			
Certificates & secrets     Token configuration	Welcome to the new and improved App registrations. Looking to learn how it's changed from App registrations (Legacy)? Learn more	×			
API permissions     Expose an API	Starting June 30th, 2020 we will no longer add any new features to Azure Active Directory Authentication Library (ADAL) and Azure AD Graph upgraded to Microsoft Authentication Library (MSAL) and Microsoft Graph: Learn moze	. We will continue to provide technical support and security updates but we will no longer provide feature updates. Applications will need to be $ imes$			

6. Go to Certificates & secrets and in the Client secrets tab, click New client secret.

+ service-principal	-sprint-dem	no   Certificates	& secrets 🛛 🖈	800)		
, Search (Cmd+/)	« 🧖 Got fee	dback?				
<ul> <li>Overview</li> <li>Quickstart</li> <li>Integration assistant</li> </ul>	Credentials e scheme). For	nable confidential applicatio a higher level of assurance, v	ns to identify themselves we recommend using a ce	to the authentication servi rtificate (instead of a clien	ce when receiving tokens at a web addressable location (using an HTTPS t secret) as a credential.	
Manage	Applica	ation registration certificates, s	ecrets and federated creden	tials can be found in the tab	s below.	×
Branding & properties Authentication Certificates & secrets	Certificates A secret stri	; (0) Client secrets (0)	Federated credentials	i (0) requesting a token. Also i	can be referred to as application password.	
Token configuration     API permissions     Expose an API	+ New c Descripti	lient secret	Expires	Value ①	Secret ID	
<ul> <li>App roles</li> <li>Owners</li> <li>Roles and administrators</li> <li>Manifest</li> </ul>	No client se	crets have been created for t	this application.			
Support + Troubleshooting						
New support request						

7. Enter a description and expiration date. Click Add.

«	Add a client secret
4 Quickstart	Description
Manage	
🚾 Branding	Expires Old In 1 year
Authentication	O In 2 years
📍 Certificates & secrets	Never
API permissions	Add Cancel
🚳 Expose an API	
Owners	Client secrets
0 Manifest	A secret string that the application uses to prove its identity when requesting a token. Also can be referred to as application password
Support + Troubleshooting	+ New client secret
★ Troubleshooting	DESCRIPTION EXPIRES VALUE
New support request	No client secrets have been created for this application.

Client secrets are available under Certificates & secrets.

Home > App registrations > service-pr ervice-principal-sp	incipal-sprint-demo print-demo   Certificates & se	ecrets 🖉 -		Suc spr	Update application credentials cessfully updated application service-principal- int-demo credentials	×
,P Search (Cmd+/) «	🔗 Got feedback?					
Uverview						
44 Quickstart	$\bigcirc$ Got a second to give us some feedback? $\rightarrow$					×
🛒 Integration assistant						
Manage	Credentials enable confidential applications to id scheme). For a higher level of assurance, we reco	entify themselves to t mmend using a certif	the authentication service when receiv icate (instead of a client secret) as a c	ving tokens at redential.	a web addressable location (using an HTTPS	
Branding & properties						
Authentication	<ol> <li>Application registration certificates, secrets and</li> </ol>	nd federated credential	is can be found in the tabs below.			×
Certificates & secrets						
Token configuration	Certificates (0) Client secrets (1) Fede	rated credentials (0	)			
API permissions	A secret string that the application uses to prov	e its identity when re-	questing a token. Also can be referred	d to as applica	ition password.	
🛆 Expose an API		9.				
K App roles	+ New client secret					
2 Owners	Description	Expires	Value 🛈 💙	Copied	ecret ID	
8 Roles and administrators	service-principal-sprint-demo-secret-key	3/23/2022 🛕	bqd7Q~08AFhjlhONrU72kLf20-1	HTOQS B	85e8e9e2-39a7-4e2b-a417-f7a1dc84c31c	
III Manifest						
Support + Troubleshooting						
P Troubleshooting						
R New support request						

## 3. Getting Help

Contact LeapLogic technical support at <a href="mailto:info@leaplogic.io">info@leaplogic.io</a>