

Beezy API Reference



REST API REFERENCE

- RESTful API (HTTP/JSON)
- WCF REST Kit
- Current version: v2
- Onprem reference
<site_collection>/_vti_bin/Beezy/v2/Api.svc/help
- Add-ins reference
<add-in_website>/BeezyApi.svc/help

REST API REFERENCE

- Onprem: endpoint available in all site collections and subsites
- Add-ins: endpoint available in IIS/Azure
- Add-ins: parameters needed

SPHostUrl: SharePoint site URL where to apply the API call (context)

SPAppToken (only in cloud): SharePoint online access token for authenticating the user

REST API REFERENCE

- All operations available
 - Except Sites, Pages, Apps -> GraphQL
- Community operations should be called in the site/subsite context
- Clients
 - PowerShell
 - Beezy.Client DLL (provided with the Beezy package)
 - Javascript Client API (AJAX)

REST API • ENABLE CORS

- Configure the additional domains in the web.config file of the Azure Web app or IIS server:

```
<appSettings>  
  <add key="ClientId" value="8741b406-05a1-4b40-ba3a-66787643958a" />  
  ...  
  <add key="CORSAllowOrigin" value="https://clientdomain1.contoso.com;https://clientdomain2.fabrikam.com" />  
  ...  
</appSettings>
```

REST API • TROUBLESHOOTING

- Check API is accessible through browser
- Disable Loopbackcheck
- Error 403 for PUT/DELETE operations: write permissions needed for .svc endpoints
- Error 405: WebDav service is already running
- Use always Windows Authentication if possible

REST API WITH POWERSHELL

- A) Invoke Beezy Rest methods with PowerShell cmdlets

`Invoke-RestMethod http://sitecollection/_vti_bin/v2/Beezy/Api.svc/Users/Current`

- B) Helper functions in beezy-Scripts.ps1

`Get-BeezyRestSharpApi`

`Get-BeezyRestSharpApiO365`

`$api = Get-BeezyRestSharpApi http://sitecollection`

- \$api object has Intellisense of all the available methods

`$api.GetCurrentUser()`

REST API WITH JAVASCRIPT

- Invoke Beezy API calls from Javascript code

```
var ajax = require('core/ajax');
```

On-premises classic:

```
ajax.get('/_vti_bin/Beezy/v2/Api.svc/Users/Current').then(function(data) { console.log(data); });
```

Add-ins:

```
ajax.get('Users/Current').then(function(data) { console.log(data); });
```


GraphQL API

- <https://graphql.org/learn/>
- GraphQL Syntax (HTTP/JSON)
- Covers functionality for Sites, Pages, Apps
- Onprem reference
<site_collection>/_layouts/15/Spenta.Beezy/GraphQL.aspx
- Add-ins reference
<add-ins_website>/GraphQL

API ENDPOINTS

	On-premises classic	On-premises add-ins	Cloud
Host	http://<site_collection>	http://<add-ins_website>	https://xxxxxxxxxxxxx.azurewebsites.net
REST API Endpoint	/_vti_bin/Beezy/v2/Api.svc	/BeezyApi.svc ?SPHostUrl=<Beezy_Site_Collection>	/BeezyApi.svc ?SPHostUrl=<Beezy_Site_Collection> &SPAppToken=<Auth_Token>
REST Admin API Endpoint	/_vti_bin/Beezy/v2/Administration.svc	/BeezyAdminApi.svc ?SPHostUrl=<Beezy_Site_Collection>	/BeezyAdminApi.svc ?SPHostUrl=<Beezy_Site_Collection> &SPAppToken=<Auth_Token>
GraphQL API Endpoint	/_layouts/15/Spenta.Beezy/GraphQL.ashx	/Api/GraphQL ?SPHostUrl=<Beezy_Site_Collection>	/Api/GraphQL ?SPHostUrl=<Beezy_Site_Collection> &SPAppToken=<Auth_Token>
GraphiQL UI	/_layouts/15/Spenta.Beezy/GraphQL.aspx	/GraphQL ?SPHostUrl=<Beezy_Site_Collection>	/GraphQL ?SPHostUrl=<Beezy_Site_Collection> &SPAppToken=<Auth_Token>



Beezy
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