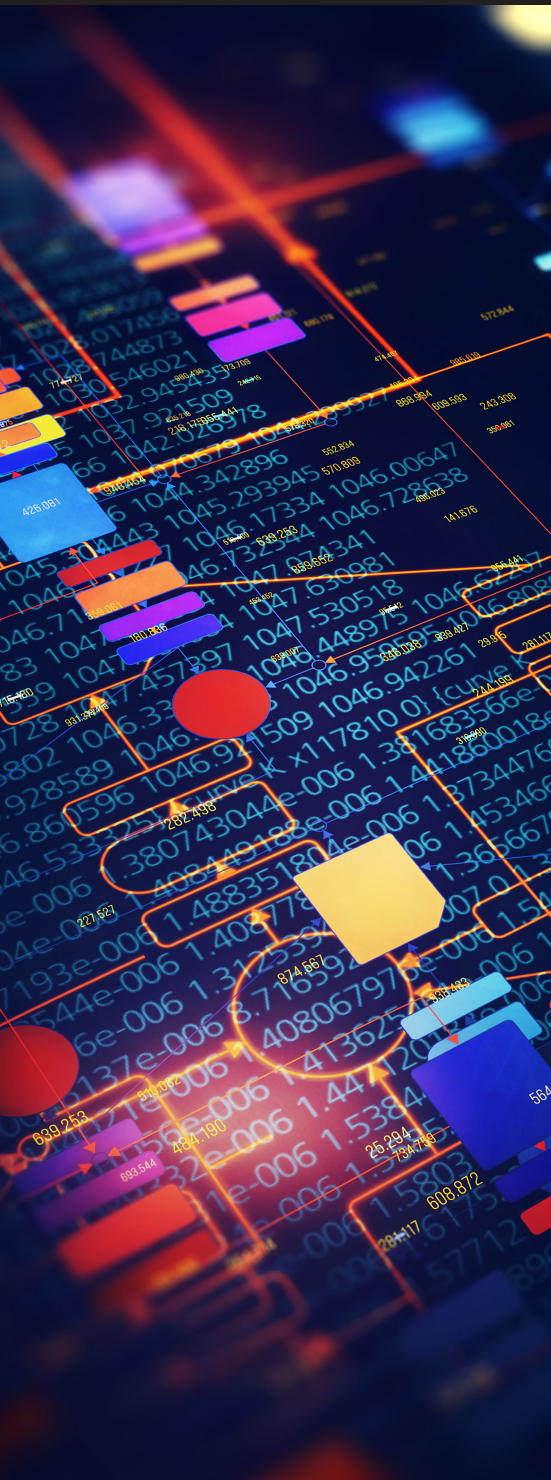# Reimagine existing applications or create new ones with Syncplicity APIs

Use Syncplicity's REST APIs to expand your current applications with file access, sharing, and collaboration capabilities, or to build new apps

The same great capabilities. Only more.

Syncplicity has redefined what it means to safely share files and collaborate in today's digital workplace, with secure storage of unstructured data on premises or in the public or private cloud, access to files anytime on any device, secure external file sharing, ransomware protection, and total IT control. Using the Syncplicity APIs, you can extend these capabilities to your existing applications, or leverage them to create completely new custom applications.

What Syncplicity APIs mean for developers

Syncplicity offers a developer portal for Enterprise Edition (EE) account users to create new apps using the APIs, test the APIs using interactive documentation, then deploy and monitor the applications.

A rich set of Syncplicity APIs lets developers write code to:

- Manage users, groups and group memberships
- Manage folders, upload and download files, and share folders and files
- Search for content, tag files and folders, and rename files and folders
- Manage policies and devices
- Manage content subject to legal hold by eDiscovery administrators

What Syncplicity APIs mean for customers

Using Syncplicity APIs, customers and their partners can extend the value of Syncplicity right out of the box with pre-built integrations, add Syncplicity content services into their existing applications or build new applications to meet the unique needs of the business owners.

syncplicity by axway

Out of the box integrations

Pre-built, out of the box integrations are provided by Syncplicity or partners to integrate Syncplicity with existing solutions. These integrations can be found in the Axway Marketplace (https://marketplace.axway.com), and allow end-users to:

- **Access Syncplicity content and functionality** from within a number of 3rd party applications (Microsoft Teams, OneNote, Jira, Confluence, etc…)
- **Provide additional features** (such as electronic signature) within Syncplicity itself.

Custom integrations

Custom integrations can be built by customers to increase the value of Syncplicity by providing the specific customized functionality they require. This allows:

- **Content access via the API:** Syncplicity functionality for storing, managing and sharing content and folders can be integrated into other existing applications.
- **Automation of administrative tasks:** administrative tasks such as the management of users or devices can be automated and integrated into existing account provisioning solutions.
- **Creation of project or customer specific environments:** automatically and quickly create the folder structure with correct permissions for new projects or customers.
- **Customized reporting:** access the information required by customers for their own reporting needs (e.g. reporting on all shared folders for end-users, etc.).
- **Real time notification** for administrators or end-users when specific actions occur within Syncplicity.
- **Manage content** in Syncplicity subject to legal hold, by an eDiscovery administrator

Custom applications

Complete new applications can be created by customers or partners to provide interaction with employees, customers and partners:

- **Customer portal:** external parties such as consumer customers can access files via a customer portal, accessing documents stored and managed in Syncplicity.
- **Custom mobile application** requiring Cloud storage to save or retrieve photos or documents.
- **Content submission web page or application,** allowing external parties such to submit documents or images to be used within the company.

Using Syncplicity APIs

Writing code to use the Syncplicity API is simple. The API is fully documented and accessible from within the Syncplicity developer portal at http://developer.syncplicity.com. There is sample code to get started and the possibility of testing the APIs right from the developer portal.

```python
def get_user(access_token, client_id, user_email_address):

    url = 'https://api.syncplicity.com/provisioning/user.svc/' + user_email_address
    headers = {'Accept':'application/json',
               'AppKey':client_id,
               'Authorization':'Bearer ' + access_token}

    r = requests.get(url, headers=headers)
    data = r.json()

    Id                = data["Id"]
    EmailAddress      = data["EmailAddress"]
    FirstName         = data["FirstName"]
    LastName          = data["LastName"]
    Roles             = str(data["Roles"])
    AccountType       = str(data["AccountType"])
    Status            = str(data["Status"]))
    LastLoginDateUtc  = data["LastLoginDateUtc"]
    CreatedDateUtc    = data["CreatedDateUtc"]

    return data
```

Securing API access within Syncplicity

Using an API shouldn't compromise the security of your content in Syncplicity. To ensure the content remains secure, Syncplicity administrators can easily configure, control and monitor which functionality each application can access. The interface for security settings and access to content and functionality through the APIs is the same as the Syncplicity user interface.

Getting started with the APIs

To begin developing, navigate to the developer portal at https://developer.syncplicity.com to create a sandbox instance of Syncplicity, view the API documentation and register your application. You'll then have access to sample code to quickly be up and running.

Syncplicity APIs and Axway's AMPLIFY hybrid integration platform

AMPLIFY, Axway's hybrid integration platform (HIP), is designed to speed integration, whether it's on-premises or in the public or private cloud. The AMPLIFY HIP has a Syncplicity connector that uses the Syncplicity APIs and allows customers to combine the capabilities of Syncplicity with other applications to create new business solutions, solving the unique needs of your line of business owners.

Who's using Syncplicity APIs?

Organizations in the commercial and public sectors use the Syncplicity APIs to access and manage users, groups, and content:

Large auto manufacturer

When an employee joins or leaves the organization, and AD account is created. A daily job detects the changes and provisions (or deprovisions) all the corporate applications the employee is allowed to access. The job will create or disable users in Syncplicity and update group membership using the Syncplicity API.

Financial institution

Bank employees can distribute documents to customers by placing them in the customer's folder in Syncplicity. Customers don't use the Syncplicity UI. Rather, they log onto the bank's customer portal to see a list of the documents available to them.

European government agency

Government agencies can share documents with other organizations from their legacy mainframe application, which uses the API to upload a document, create a secured link, and share the link with the organization.

Increase the value of Syncplicity in your organization

CONTACT US
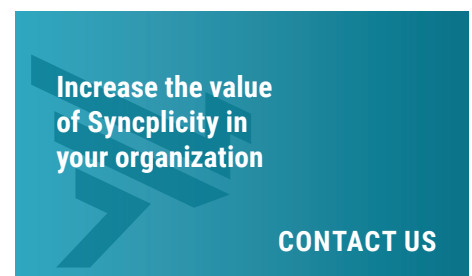
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