



GALGOTIAS
UNIVERSITY

**School of Computing
Science and Engineering**

Program: B. Tech

Course Code: BCSE3096

Course Name: Cloud Application
Development

Application Programming Interface (API)

- API stands for Application Programming Interface.
- An API is a software intermediary that allows two **applications** to talk to each other.
- In other words, an API is the messenger that delivers your request to the provider that you're requesting it from and then delivers the response back to you

API

- Basically, an API specifies how software components should interact.
- Additionally, APIs are used when programming graphical user**interface** (GUI) components

Google APIs

- Google APIs support most modern sites online.
- From analytics, to the advertising exchange, maps, to Google+ shares, chances are, most sites are using a Google API.
- Currently, 57 APIs are available from Google, as well as a number of other developer tools

- Google API: An ever-changing list of 57 Google APIs.
- Google Analytics API: Measure user interactions with your site or app across multiple devices.
- YouTube API: Choose from the data or players API to embed types of players or offer YouTube search capabilities.

- AD Exchange Buyer API: Lets you manage your Ad Exchange Buyer Account
- AD Exchange Seller API: Enables you to manage your Ad Exchange Seller Account.
- Picasa Web Albums API: Allows websites and apps to integrate Picasa Web Albums by creating albums, uploading or retrieving photos, and more

- Blogger API: View and update blogger content, query for posts that match criteria.
- Google Fonts API: Use a variety of custom fonts from Google on most modern browsers.
- Google Translate API: Detect and translate the language of text in your site with only JavaScript.
- Google Geocoding API: Create interactive maps with Google Maps.

Yahoo APIs

- Yahoo APIs: Yahoo's 7 APIs can be coupled with a variety of their other web tools and development platforms.
- Yahoo Connected TV API: Enables users to write TV apps in Javascript to deliver dynamic content.

Yahoo APIs

- Yahoo RSS Feeds API: Enables users to pull up content from sites sharing new posts on Yahoo RSS feeds.
- Yahoo APT API: Buy and Sell advertising on Yahoo through this API.
- Yahoo Search Marketing API: Allows access to Yahoo marketing data for managing marketing campaigns.

Social Media

- Twitter API: Enables an app to interact with most of Twitter's functions.
- Scoop.it API: Find data on scoop.it users, topics, and posts.
- Facebook APIs: For ads, games, payments, login, sharing stats, and user data.
- LinkedIn API: Enables apps to connect to user accounts, data, connections, groups, communications, and social streams.

Social Media

- Google+ API: Enables apps to login to Google+ view connections, groups, posts, and contact information.
- Pinterest API: Enables apps to view the most clicked-through or repined Pins, view related posts, and user profiles.

Social Media

- Tumblr API: Create new ways to use Tumblr with access to content, likes, followers, and drafts.
- Instagram API: Search photos by location, user, tags, view trending photos, and make custom items.
- Flickr API: Search through user Flickr content, contacts, upload or replace photos.

Social Media

- VKontakte API: Access and exchange information from Vkontakte's servers
- Meetup API: Integrate Meet up groups and the corresponding data with larger apps or websites.



Thank You