Different APIs supported in Salesforce

ferent APIs supported by Salesforce.com are

REST API	Accessing objects in your organization using REST.
SOAP API	Integrating your organization's data with other applications using SOAP.
Chatter REST API	Accessing Chatter feeds and social data such as users, groups, followers, and files using REST.
Bulk API	Loading or deleting large numbers of records.
Metadata API	Managing customizations in your organization and building tools that can manage the metadata model, not the data itself.
Streaming API	Providing a stream of data reflecting data changes in your organization.
Apex REST API	Building your own REST API in Apex. ExposesApex classes as RESTful Web services.
Apex SOAP API	Creating custom SOAP Web services in Apex. Exposes Apex classes as SOAP Web services.
Tooling API	Building custom development tools forForce.com applications.

Is act as Web services interface for interacting with Salesforce.

EST API

EST API is mainly used for ease of integration and development. It supports smaller sets of data.

OAP API

OAP API cab be written in any language that supports Web services.
r example, you can use SOAP API to integrate Salesforce with your organization's ERP and finance systems, deliver real-time sales d support information to company portals, and populate critical business systems with customer information.

latter REST API

latter REST API provides programmatic access to Chatter feeds and social data such as users, groups, followers, and files.

lk API

lk API is based on REST principles and is optimized for loading or deleting large sets of data.
lk API is designed to process data from a few thousand to millions of records.
e easiest way to use Bulk API is to enable it for processing records in Data Loader using CSV files. This avoids the need to write ur own client application.

e Metadata API

e Metadata API to retrieve, deploy, create, update, or delete customizations for your organization. The most common use is to grate changes from a sandbox or testing organization to your production environment. Metadata API is intended for managing stomizations and for building tools that can manage the metadata model, not the data itself.
e easiest way to access the functionality in Metadata API is to use the Force.com IDE or Force.com Migration Tool.

reaming API

e Streaming API to receive notifications for changes to data that match a SOQL query that you define.
reaming API is useful when you want notifications to be pushed from the server to the client. Consider Streaming API for plications that poll frequently. Applications that have constant polling action against the Salesforce infrastructure, consuming necessary API call and processing time, would benefit from this API which reduces the number of requests that return no ta.Streaming API is also ideal for applications that require general notification of data changes. This enables you to reduce the mber of API calls and improve performance.

ex REST API

e Apex REST API when you want to expose your Apex classes and methods so that external applications can access your code ough REST architecture. Apex REST API supports both OAuth 2.0 and Session ID for authorization.

ex SOAP API

e Apex SOAP API when you want to expose your Apex methods as SOAP Web service APIs so that external applications can cess your code through SOAP. Apex SOAP API supports both OAuth 2.0 and Session ID for authorization.

oling API

e Tooling API when you want to manage and deploy working copies of Apex classes and triggers and Visualforce pages and mponents, set checkpoints or heap dump markers, execute anonymous Apex, and access logging and code coverage information.