



**Accord Fintech Pvt Ltd**  
**Web API**  
**Documentation Version 1.1**

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# WEB API

An application program interface (API) is a set of routines, protocols, and tools for building software applications. Basically, an API specifies how software components should interact. Additionally, APIs are used when programming graphical user interface (GUI) components.

A server-side web API is a programmatic interface consisting of one or more publicly exposed endpoints to a defined request–response message system, typically expressed in JSON or XML, which is exposed via the web—most commonly by means of an HTTP-based web server.

When you're building APIs on the Web, there are several ways you can build APIs on the Web. These include HTTP/RPC, and what this means is using HTTP in Remote Procedure Call to call into things, like Methods, across the Web.

API calls represent specific operations that your client applications can invoke at runtime to perform tasks. With the help of these methods we can retrieve data from the back end as well as manipulate the database.

We are using **MVC 4** to develop the methods or call used to manipulate the data base. The data base is managed by **SQL server**. The data from these methods are retrieved in JSON Format. This can be customized according to the customer needs.

Each method will have separate URL's and parameters. To retrieve the data, we have to provide the Token No. in the URL along with other parameters. Token no. is an encrypted string which will be provided separately. Without the specific Token No data cannot be retrieved.

## NEWS API

News API is for retrieving news data. News about all sections are provided by this API. All types of news including current affairs, corporate news, news about financial market, etc. can be retrieved by this API.

In News API there are 3 methods. They are listed below:-

### NEWS

Entire News follows same format for all sections like Equity, Mutual fund, IPO and Derivatives. News API shows heading and dates only and News Details API to display all contents of selected news.

### URL

<https://news.accordwebservices.com/News/GetNewsSection?Top={Top}&PageNo={PageNo}&PageSize={PageSize}&SecId={SecId}&SubSecId={SubSecId}&NewsID={NewsID}&FromDate={FromDate}&ToDate={ToDate}&Fincode={Fincode}&token={token}>

### Input Parameters

Parameter	Value	Description
<b>Top</b>	Numerical value	(Pass nothing if don't need top records)
<b>PageNo</b>	Used for paging	(Numerical value)
<b>Pagesize</b>	Specify how many records have to be displayed in a page	(Numerical value)
<b>SecId</b>	Section ID of particular section	
<b>SubSecId</b>	Subsection ID of particular section	
<b>NewsID</b>	Unique identity of news	(Pass only for getting detailed description of particular news)
<b>FromDate</b>	Pass From date	(optional – yyyy.mm.dd format)
<b>ToDate</b>	Pass To date	(optional – yyyy.mm.dd format)
<b>Fincode</b>	Unique identification of the company	
<b>Token</b>	Encrypted token	

### Secid & Subsecid for various news

News	Section ID	Subsection ID
<b>Hot Stocks</b>	4	38

Opening Bell	4	40
Midday Review	4	41
Closing Bell	4	42
Other Market	6	'12,13,14,45'
Corporate News	7	15
Market Pulse	5	56
Economy	5	'23,24,25,26,36,43,44,49'
FII Position	9	22
Global Markets	4	27
Current Affairs & Politics	5	11
Derivatives	4	47
MF	2	3
Commodity	3	'5,7,31,37'
IPO News	1	2
IPO Analysis	1	1

### Output

Parameter	Description
Newsid	Unique identity of news
SectionName	Section of news
SubSectionName	Subsection of news
SecId	Section ID
SubSecId	Subsection ID
Newsdate	Date of news
NewsTime	Time of news (Don't consider the date part in this field)
Heading	Heading of news
Details	Description of news in html format (For getting details of any News, we have to call same API once again by passing particular Newsid)
Compname	Name of company, if any

## COMPANY NEWS

API has provision to pass the company code to get news related to selected company.

### URL

<https://news.accordwebservices.com/News/GetNewCompanyNews?FINCODE={FINCODE}&PageNo={PageNo}&Pagesize={Pagesize}&Period={Period}&token={token}>

### Input Parameters

Parameter	Value	Description
<b>FINCODE</b>	Unique identification code of the company	
<b>PageNo</b>	Used for paging	(Numerical value)
<b>Pagesize</b>	Specify how many records have to be displayed in a page	(Numerical value)
<b>Period</b>	1Week or 1monthor 3monthsor 6monthsor 1year	
<b>Token</b>	Encrypted token	

### Output

Parameter	Description
<b>S_name</b>	Company name
<b>News_head</b>	Heading of news
<b>News_body</b>	News description in html format
<b>News_date</b>	Date of news
<b>ID</b>	Id of particular news
<b>Fincode</b>	Unique identification code of company
<b>Secid</b>	Section id of news
<b>Subsecid</b>	Subsection id of news
<b>NewsType</b>	Type of the news
<b>Totalrows</b>	Total no. of records available

## GET COMPANY LIST

This method is used to get list of companies with their fincode.

### URL

<https://news.accordwebservices.com/News/GetCompanyList?txt={txt}&token={token}>

### Input Parameters

Parameter		Description
<b>Txt</b>	Pass Nothing	
<b>Token</b>	Encrypted token	

### Output

Parameter	Description
<b>Compname</b>	Company name
<b>SCRIPCODE</b>	BSE code
<b>FINCODE</b>	Unique identification of the company
<b>SYMBOL</b>	NSE Symbol

## FAQ

### 1. Can we skip non-mandatory parameters from API URL?

No. Only values are non-mandatory. All parameters have to be passed in URL. If it is optional, we can pass value as empty.

### 2. What are some of the common input parameters used in API?

There are some common parameters used in many API methods. Below are few of them: -

**PageNo** – This is used for page wise retrieving of records. In some methods it will be 'Currentpage'

**Pagesize** – This is used to specify how many records to be displayed in one page.

**SortExpression** – This is used to sort the records based on the given value. Please note that sort expression value should not be used in every API as it will provide wrong output data. For example if we give sort expression to sort based on company name in Gainer/Loser API then the result will be completely wrong.

In some methods, it will be 'SortExp' or 'S\_Expression'

The possible values for sort expressions will be the output parameters in the API.

**SortDirection** – This is used to specify in which direction sorting has to be done.

Pass 'Asc' for Ascending or 'desc' for descending.

In some methods, it will be 'SortDirect' or 'S\_Direction'

**Top** – Value of this parameter has to be passed as empty in the API's having **PageNo & Pagesize** parameters.

### 3. Will the same parameters having the same name in all API methods?

No. Parameter name may be changed in some methods.

For example, in stock API consider the parameter to pass index code in to API. In Gainer/Loser API, the parameter name will be 'Indices'. The same will be changed to 'Indexcode' in Highs/Lows API

### 4. What is Token and do we need to pass token in each API call?

Token is an encrypted string which is the unique identity for each client. You have to pass token in every API request without which API will not provide result.



**5. Will the input or Output parameters get changed in future?**

No. The name of input / output parameters will not be modified. The number of input parameters will also remain the same. However we may add new output parameters in future. You need to program accordingly.