



# CMIE Prowess<sub>dx</sub>

Database Guide

Learning Centre  
Indian Institute of Management Indore





# Introduction



- Prowess<sub>dx</sub> database is a web-based database accessible without any installation of the client application.
- It covers data for about 35,000 Indian companies, which includes listed companies, unlisted public companies and private companies of all sizes and ownership groups.
- It contains time-series data since 1990.



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# Registration

- A single one-time registration works across all CMIE services.



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**Prowess<sub>dx</sub>**

Largest Database of Financial Performance of Indian Companies  
Prowess Data eXtraction Interface for Academia.

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## Prowess<sub>dx</sub> is specially designed for academia

Prowess is a database of the financial performance of companies. Annual Reports of companies, stock exchanges and regulators are the principal sources of the data. Prowess<sub>dx</sub> is a delivery of the Prowess database that is specially designed for academia. Prowess<sub>dx</sub> facilitates easy downloading of the data in simple text format.

The database covers the profit and loss statement, balance sheet and ratios based on these. In the case of listed companies it includes cash flow statement, quarterly financial statements, share prices, corporate action and daily total returns. Financial statements based on consolidated and standalone basis are available. Financial statements are standardised. The database does not suffer from any deliberate survival bias.

Prowess<sub>dx</sub> delivers data for over 40,000 Indian companies. This includes listed companies, unlisted public companies and private companies of all sizes and ownership groups. It contains time-series data since 1990.

### Login

Username   
Password    
[Forgot Password](#)

Prowess<sub>dx</sub> is a subscription service from the Centre for Monitoring Indian Economy Pvt Ltd.

### [Request for Subscription](#)

#### Announcements

01 Apr 2020 05:01 PM  
March 2020 Vintage Released  
01 Jan 2020 05:18 PM  
December 2019 Vintage Released  
01 Oct 2019 11:48 AM  
September 2019 Vintage Released  
01 Apr 2019 05:35 PM  
March 2019 Vintage Released  
01 Jan 2019 10:48 AM  
December 2018 Vintage Released


[more..](#)



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# Registration

- After clicking on the register, fill the details and click on submit button. Use Institutional email id for registration.



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## Registration

- Register to access all CMIE services.
- A single one-time registration works across all services.


**Username \***  [Username can only contain a-z, 0-9 and \_ (underscore)]

**Email \***

**Confirm Email \***

**Title \***

**Name \*** **First Name \***  **Last Name \***

**Word Verification \***   
  
[Please enter the number you see in the picture above.]

**Optional Details**

\* (mandatory field)

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# Steps to extract the data



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Subscription till: 06 Jan 2021

## There are five steps to extract data from the Prowess database:

1. Select the database vintage. CMIE creates a database snapshot on 31 March, 30 September and 31 December of every year, beginning December 2013. Select any of these vintages.
2. Select the set of companies for which the data needs to be extracted.  
CMIE creates several sets of companies and keeps them ready for use in extraction.  
Users may optionally create their own sets and select these for data extraction, or they may use sets of companies made by others
3. Select indicators and the time-period.
4. Select output preferences such as format of date, currency and units, and extra description of the data being extracted.
5. Execute the extraction and save specifications used for the data extraction for possible future use.

### Note:

Four of the five steps given above create a Specification. A Specification consists of choices regarding the database vintage, the set of companies, set of indicators and their time-range and formatting options. Specifications can be stored for future use. Saved Specification can be used at a future date to re-extract data with the same Specifications or they can be edited to create new Specifications that can be used for extraction of data.

Each saved Specification is assigned a unique Specification ID. When a Specification is used to extract data, a Request ID is created against the Specification. A Specification can be used multiple times to extract data. Every time data is extracted using the same Specification ID, a new Request ID is created. Thus, a request for data is uniquely identified by the combination of a Specification ID and a Request ID.

This system of Specification and Request IDs is useful in Replication. Prowess<sub>dx</sub> supports replication.



# Step 1 (Select Vintage) 2 (Company Set)

## Step 1 of 5

Select the database vintage. CMIE creates a database snapshot on 31 March, 30 September and 31 December every year since December 2013. Select any one of these.

Select a database vintage to extract data from:

Mar 2020

next step

## Step 2 of 5

Select the set of companies for which the data needs to be extracted. CMIE creates several sets and keeps ready for use in extraction.

Users may create their own sets and select these, or they may upload and use those made by others. While uploading a user set or creating one, you need to specify the type of input used to specify companies. These could be the Prowess company code, BSE codes, NSE symbols or the government's CIN code.

Select same companies as were selected earlier

Selected  
Vintage: March 2020

Select a set pre-defined by CMIE	Upload file containing codes One code per line	Create set of companies Type codes separated by comma																																
<table border="1"> <thead> <tr> <th>Set name</th> <th>Count [?]</th> </tr> </thead> <tbody> <tr><td><input type="radio"/> All Companies</td><td>51031</td></tr> <tr><td><input type="radio"/> All Companies listed on BSE &amp; NSE Superset</td><td>8427</td></tr> <tr><td><input type="radio"/> All Companies listed on BSE &amp; NSE Current</td><td>5075</td></tr> <tr><td><input type="radio"/> Sensex Companies Superset</td><td>92</td></tr> <tr><td><input type="radio"/> Sensex Companies Current</td><td>30</td></tr> <tr><td><input checked="" type="radio"/> Nifty Companies Superset</td><td>124</td></tr> <tr><td><input type="radio"/> Nifty Companies Current</td><td>50</td></tr> <tr><td><input type="radio"/> COSPI Companies Superset</td><td>7504</td></tr> <tr><td><input type="radio"/> COSPI Companies Current</td><td>2162</td></tr> <tr><td><input type="radio"/> All Non-financial Companies Superset</td><td>43705</td></tr> <tr><td><input type="radio"/> All Industrial Companies Superset</td><td>23196</td></tr> <tr><td><input type="radio"/> All Manufacturing Companies Superset</td><td>21787</td></tr> <tr><td><input type="radio"/> All Non-financial Services Companies Superset</td><td>22015</td></tr> <tr><td><input type="radio"/> All Financial Companies Superset</td><td>14511</td></tr> <tr><td><input type="radio"/> All Banks Superset</td><td>253</td></tr> </tbody> </table>	Set name	Count [?]	<input type="radio"/> All Companies	51031	<input type="radio"/> All Companies listed on BSE & NSE Superset	8427	<input type="radio"/> All Companies listed on BSE & NSE Current	5075	<input type="radio"/> Sensex Companies Superset	92	<input type="radio"/> Sensex Companies Current	30	<input checked="" type="radio"/> Nifty Companies Superset	124	<input type="radio"/> Nifty Companies Current	50	<input type="radio"/> COSPI Companies Superset	7504	<input type="radio"/> COSPI Companies Current	2162	<input type="radio"/> All Non-financial Companies Superset	43705	<input type="radio"/> All Industrial Companies Superset	23196	<input type="radio"/> All Manufacturing Companies Superset	21787	<input type="radio"/> All Non-financial Services Companies Superset	22015	<input type="radio"/> All Financial Companies Superset	14511	<input type="radio"/> All Banks Superset	253	<p>Choose File No file chosen</p> <p>Select type of input</p> <p><input type="radio"/> Prowess company code</p> <p><input type="radio"/> BSE scrip id</p> <p><input type="radio"/> BSE scrip code</p> <p><input type="radio"/> NSE symbol</p> <p><input type="radio"/> MCA CIN code</p> <p>Upload</p>	<p>Select type of input</p> <p><input type="radio"/> Prowess company code</p> <p><input type="radio"/> BSE scrip id</p> <p><input type="radio"/> BSE scrip code</p> <p><input type="radio"/> NSE symbol</p> <p><input type="radio"/> MCA CIN code</p> <p>Save set as: <input type="text"/> Save</p>
Set name	Count [?]																																	
<input type="radio"/> All Companies	51031																																	
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Select a set created by User																																		
<table border="1"> <thead> <tr> <th>Set name</th> <th>Count [?]</th> </tr> </thead> <tbody> </tbody> </table>	Set name	Count [?]																																
Set name	Count [?]																																	

previous step

next step



# Step 3 (Select indicator and time period)

## Step 3 of 5

Select indicators and their time-period for extraction. Indicators are spread over 42 Tables. Select a Table in the left column and then select the time-period and indicators from the middle column. Selected indicators will be displayed in the right column.

Select Table			Select Indicators and Time-span from Insider Trading		Selected		
Table	Date		From	To	Vintage: March 2020		
	Min	Max	25 Sep 90	31 Mar 20	Company set: Nifty Companies Superset		
			Indicators Search:		Selections made		
					Tables & Indicators		Date
						Min	Max
Identity & Background			<input type="checkbox"/> Select All		Insider Trading	25 Sep 90	31 Mar 20
Identity			<input checked="" type="checkbox"/> Prowess company code		<input checked="" type="checkbox"/> Deal type		
History of Company Name Changes	04 Aug 01	01 Apr 20	<input checked="" type="checkbox"/> Prowess company name		<input checked="" type="checkbox"/> Client name		
History of Classifications	30 Apr 88	31 Dec 19	<input checked="" type="checkbox"/> Deal sequence number				
Ownership & Governance			<input checked="" type="checkbox"/> Deal type				
Board of Directors	30 Apr 88	31 Dec 19	<input type="checkbox"/> Exchange				
Equity Ownership Pattern	31 Mar 01	27 Mar 20	<input type="checkbox"/> Transaction from date				
Equity Ownership of Major Investors	31 Mar 01	27 Mar 20	<input type="checkbox"/> Transaction to date				
Board Meetings	15 Jul 96	01 Apr 20	<input type="checkbox"/> Deal disclosed by				
Subsidiaries	31 Jan 90	31 Dec 19	<input checked="" type="checkbox"/> Client name				
Auditors	31 Jan 90	31 Dec 19	<input type="checkbox"/> Mode of acquisition/sale				
Bankers	28 Feb 90	31 Dec 19	<input type="checkbox"/> Number of shares transacted				
Related Party Transactions	31 Mar 99	31 Dec 19	<input type="checkbox"/> Shares transacted in per cent				
Bulk and Block Deals	17 Dec 00	31 Mar 20	<input type="checkbox"/> Shares held after transaction				
Insider Trading	25 Sep 90	31 Mar 20	<input type="checkbox"/> Shares held in per cent				
Substantial Acquisition of Shares	07 Aug 95	30 Mar 20					
Financial Statements							
Annual Financial Statements							
Standalone Annual Financial Statements	30 Apr 88	31 Dec 19					
Consolidated Annual Financial Statements	31 Mar 00	31 Dec 19					
Annual Financial Statements - Ind AS							
Standalone Annual Financial Statements - Ind AS	31 Mar 15	31 Dec 19					
Consolidated Annual Financial Statements - Ind AS	31 Mar 15	31 Dec 19					

previous step

next step





# Step 4 (Output Preference) 5 (Execution)

**Step 4 of 5** Select output preferences such as format of date, currency and units.

## Output Preferences

Select Date Format:

Select Currency:

**Step 5 of 5** Execute the extraction and choose to save specifications for future use.

Enter description of data being extracted:

Your request for data extraction translates in to **1** Hit(s) ?

**124** Companies and **5** Indicators

Save Specifications

Save Specifications and Extract Data

1. Requests for data extraction are taken up in sequence for processing in intervals of 5 minutes.
2. Processed requests will remain available for download for a maximum of 10 days.
3. The Request produces a .zip file, which when downloaded and unzipped results in two .txt pipe (|) delimited files. xxx\_dat.txt contains the data and xxx\_map.txt is a file that maps the column headers to names of the variables.
4. First line in each file contains column headers.
5. Each line (row) after the first contains the data.

← previous step





# Data Extraction Result

## Request for Data Extraction Sent Successfully.

Please refresh this page to see the latest status of your Request, [click here to refresh the page.](#)

Nifty Companies					
Specification ID: 48352 Request No: 1		Owner: gaurib, Request Date: 11 Jul 2020 10:50 Currency: USD Million, Date Format: yyyyymmdd, Vintage: 2020-03-31, Cos: 124, Inds: 5			
Prowess Table	Status	Start Processing	End Processing	Download	Error
Insider Trading	Processing	2020-07-11 10:50:24			
Re-load Specification		Master		Download Specification	Re-Request Data Extraction

Refresh the page after few minutes to see the latest status and download the data.

## Request for Data Extraction Sent Successfully.

Please refresh this page to see the latest status of your Request, [click here to refresh the page.](#)

Nifty Companies					
Specification ID: 48352 Request No: 1		Owner: gaurib, Request Date: 11 Jul 2020 10:50 Currency: USD Million, Date Format: yyyyymmdd, Vintage: 2020-03-31, Cos: 124, Inds: 5			
Prowess Table	Status	Start Processing	End Processing	Download	Error
Insider Trading	Completed	2020-07-11 10:50:24	2020-07-11 10:51:46	Download (1.54 MB)	
Re-load Specification		Master		Download Specification	Re-Request Data Extraction



# Specifications & Requests



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## Search Specifications by:

Description

Specification ID  
ALL

Owner  
ALL

Specification Date (dd-mm-yyyy)

From

To

## Upload Specification file

No file chosen

## List of Specifications & Requests with Status

Please refresh this page to see the latest status of your Request, [click here to refresh the page.](#)

Nifty Companies <input type="button" value="x"/>					
<b>Specification ID: 48352</b>		Owner: gaurib, Request Date: 11 Jul 2020 10:50			
<b>Request No: 1</b>		Currency: USD Million, Date Format: yyyyymmdd, Vintage: 2020-03-31, Cos: 124, Inds: 5			
Prowess Table	Status	Start Processing	End Processing	Download	Error
Insider Trading	Completed	2020-07-11 10:50:24	2020-07-11 10:51:46	<a href="#">Download (1.54 MB)</a>	
<input type="button" value="Re-load Specification"/>		<b>Master</b>		<input type="button" value="Download Specification"/>	<input type="button" value="Re-Request Data Extraction"/>

Extract 1 <input type="button" value="x"/>					
<b>Specification ID: 48351</b>		Owner: gaurib, Request Date: 11 Jul 2020 10:18			
<b>Request No: 1</b>		Currency: USD Million, Date Format: yyyyymmdd, Vintage: 2019-12-31, Cos: 50, Inds: 4			
Prowess Table	Status	Start Processing	End Processing	Download	Error
History of Company Name Changes	Completed	2020-07-11 10:18:42	2020-07-11 10:18:43	<a href="#">Download (1.31 KB)</a>	
<input type="button" value="Re-load Specification"/>		<b>Master</b>		<input type="button" value="Download Specification"/>	<input type="button" value="Re-Request Data Extraction"/>

# Masters



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- CMIE has a masters list that is the list of vintages (snapshot of the database) created till date.

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## Masters

Database Vintage	Download
31 Dec 2013	<a href="#">Download</a>
31 Mar 2014	<a href="#">Download</a>
30 Sep 2014	<a href="#">Download</a>
31 Dec 2014	<a href="#">Download</a>
31 Mar 2015	<a href="#">Download</a>
30 Sep 2015	<a href="#">Download</a>
31 Dec 2015	<a href="#">Download</a>
31 Mar 2016	<a href="#">Download</a>
30 Sep 2016	<a href="#">Download</a>
31 Dec 2016	<a href="#">Download</a>
31 Mar 2017	<a href="#">Download</a>
30 Sep 2017	<a href="#">Download</a>
31 Dec 2017	<a href="#">Download</a>
31 Mar 2018	<a href="#">Download</a>
30 Sep 2018	<a href="#">Download</a>
31 Dec 2018	<a href="#">Download</a>
31 Mar 2019	<a href="#">Download</a>
30 Sep 2019	<a href="#">Download</a>
31 Dec 2019	<a href="#">Download</a>
31 Mar 2020	<a href="#">Download</a>



# Coverage of companies

- CMIE has vintage based database to provide the information about various companies.

## Vintage

- **31 Dec 2013**
- 31 Mar 2014
- 30 Sep 2014
- 31 Dec 2014
- 31 Mar 2015
- 30 Sep 2015
- 31 Dec 2015
- 31 Mar 2016
- 30 Sep 2016
- 31 Dec 2016
- 31 Mar 2017
- 30 Sep 2017
- 31 Dec 2017
- 31 Mar 2018
- 30 Sep 2018
- 31 Dec 2018
- 31 Mar 2019
- 30 Sep 2019
- 31 Dec 2019
- 31 Mar 2020

## Coverage of Companies in Prowess Database: ( 31 Dec 2013 )

- Distribution by Groups
  - By Broad Industry Groups
  - By Ownership
  - By Type of Enterprise
  - By Year-endings
  - By Months of Financial Statements
- Number of Companies in a Continuous Time Series Panel ending in a Year
  - All Companies
  - Manufacturing Companies
  - Non-financial Services Companies
  - Financial Companies
  - Private Non-finance Companies
  - Listed Companies
- Number of Companies in a Continuous Time Series beginning in a Year
  - All Companies
  - Manufacturing Companies
  - Non-financial Services Companies
  - Financial Companies
  - Private Non-finance Companies
  - Listed Companies
- Number of Companies with Quarterly Financial Statements
- Industry-wise Distribution of Companies with Quarterly Financial Statements
- Availability of Stock Prices data
  - Availability of Stock Prices data on BSE (Annual)
  - Availability of Stock Prices data on NSE (Annual)
  - Availability of Stock Prices data on BSE or NSE (Annual)
  - Availability of Stock Prices data on BSE (Quarterly)
  - Availability of Stock Prices data on NSE (Quarterly)
  - Availability of Stock Prices data on BSE or NSE (Quarterly)



# Thank You

Please write back at  
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for further help/clarification.

