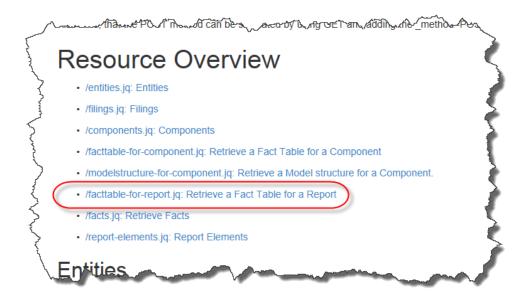
Understanding Query Reports (Fact Table for Report)

One of the useful features of the SECXBRL.info repository and its underlying web service is the *facttable-for-report* resource. What this resource provides is a bit hard to see currently so we will walk you through what is going on.

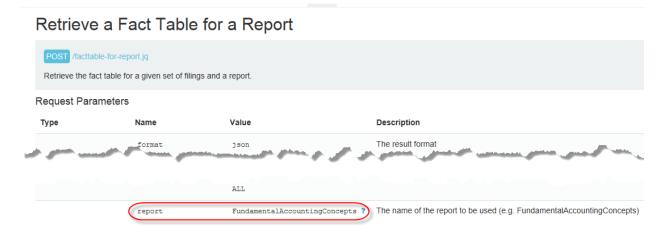
Standard report framework

Basically the facttable-for-report resource is like a standardized report writer.

First off, this resource is documented here: https://app.secxbrl.info/api.

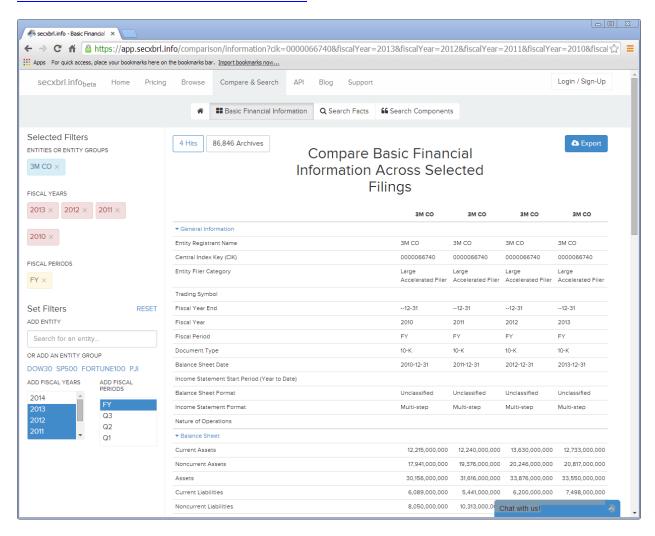


If you go to the section for that resource, this is the key piece that we want to point out. Just keep this in the back of your mind, why this is important will become clear soon.



To see how this resource works, let us start here: (click on the link)

https://app.secxbrl.info/comparison/information?cik=0000066740&fiscalYear=2013&fiscalYear=2012&fiscalYear=2010&fiscalPeriod=FY



That human readable report is powered by the REST resource above. The REST resource above is powered by this resource:

https://secxbrl.xbrl.io/v1/_queries/public/api/facttable-for-report.jq?_method=POST&format=xml&aid=0001104659-14-009773&aid=0001104659-13-010881&aid=0001104659-12-010566&aid=0001104659-11-007845&report=FundamentalAccountingConcepts

If you look closely at the results returned from the resource above, you see something interesting if you look closely and know what to look at. The *facttable-for-report* resource, the *facttable-for-component* resource, and the *fact* resource return information using the same standardized information format. You can see that format in the screen shot below of the XML version:

```
<Aspect>
          .
<Name>xbrl:Concept</Name:
          <Value>fac:CostOfRevenue</Value>
      <Aspect>
          .
<Name>xbrl:Entity</Name>
          <Value>http://www.sec.gov/CIK 0000066740</Value>
      <Aspect>
          .
<Name>xbrl:Period</Name:
          <Value>2010-01-01/2010-12-31</Value>
       /Aspect>
      <Aspect>
          <Name>xbrl:Unit</Name:
          <Value>iso4217:USD</Value>
      <Aspect>
          <Name>secxbrl:FiscalPeriod</Name>
          <Value>FY</Value>
      <Aspect>
          <Name>secxbrl:FiscalYear</Name>
          <Value>2010</Value>
   <Value>13831000000</Value>
   <Type>NumericValue</Type>
   <Unit>iso4217:USD</Unit>
   <Decimals>-6</Decimals:
   <EntityRegistrantName>3M CO</EntityRegistrantName>
   <ReportedConcept>us-gaap:CostOfRevenue</ReportedConcept>
<Fact>
```

That XML may not look that interesting to a business person but what you can do with that format is compelling. A query using the *fact* resource returns one or more reported facts from a digital financial report such as an SEC XBRL-based financial report. A *facttable-for-component* resource returns an entire report component from such a digital financial report, say the balance sheet or maybe a disclosure. What is interesting about the *facttable-for-component* is that the model structure can be leveraged to create a human readable rendering of the returned fact table. Basically, you are leveraging the representation information (the model structure) to render the information returned by the query.

The *facttable-for-report* lets a business user specify some set of facts using a model structure with the user provides to render information. Basically this means that you can disregard the model structure provided by the entity reporting the information and provide your own representation using the same model structure format and you get not only the information returned by the query, but also formatting of the information to turn the results returned into something readable and understandable by humans who wish to make use of the information.

An example

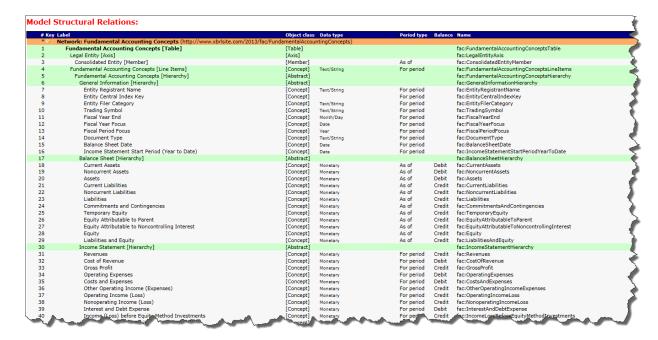
What is more, you can leverage mappings. So, for example, if filers used different concepts to express something like research and development expense, you provide the mapping also and the *facttable-for-report* resource puts all these standard pieces together and returns the information you desire.

Go back and look at the *Compare Basic Financial Information Across Selected Filings* report again. Here is the way that works.

First, an XBRL taxonomy is created to express the fundamental accounting concepts using a standardized format (i.e. XBRL). You can find this taxonomy here: http://www.xbrlsite.com/2013/fac/

You can see a human readable version of that taxonomy here:

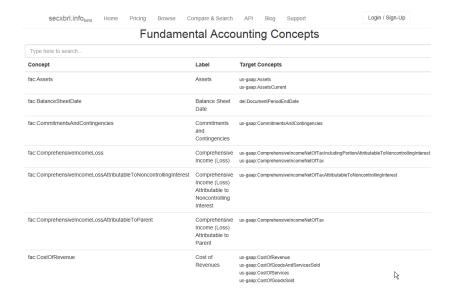
http://www.xbrlsite.com/2013/fac/FundamentalAccountingConcepts ModelStructure.html



The XBRL is used to automatically used to generate the model structure, a machine readable version of that same information. Here is an XML version which is a little easier to understand than the XBRL version: http://www.xbrlsite.com/2013/fac/FundamentalAccountingConcepts ModelStructure.xml

Next, mappings are created between the fundamental accounting concepts and the US GAAP XBRL Taxonomy concepts which SEC filers use. You can read that mapping here:

https://app.secxbrl.info/concept-map/FundamentalAccountingConcepts



Again, while the human readable version is interesting, the more interesting version is the computer readable version. Here is a copy of that (the real version is not currently exposed by the SECXBRL.info platform): http://www.xbrlsite.com/2013/fac/FundamentalAccountingConcepts_Map.xml Note that there are various forms that the mappings can take. The preferred version is XBRL-based XBRL definition relations.

Next, you simply give your report a name, in this case we use FundamentalAccountingConcepts.

All this information forms somewhat of a template or framework which you can now use. You point the facttable-for-report resource to the financial information and also to the report, in this case FundamentalAccountingConcepts and the resource puts all these pieces together for you.

That is why this is like a standardized report writer. You can try a collection of different standard reports here: https://app.secxbrl.info/example/

Note that none of these examples are formatted beyond the standard fact table format (i.e. no model structures have been created to provide further formatting of the fact tables, only the fact table is provided)

Fundamental accounting concepts: https://app.secxbrl.info/example/FundamentalAccountingConcepts

Research and development: https://app.secxbrl.info/example/ResearchAndDevelopment

Total assets (for all reporting entities, all fiscal years): https://app.secxbrl.info/example/TotalAssets

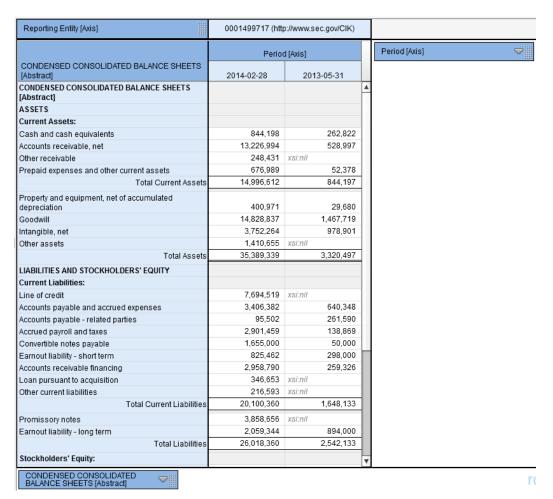
Nature of operations: https://app.secxbrl.info/example/FilteringTextBlocks

Goodwill by segment: https://app.secxbrl.info/example/FilteringGoodwillBrokenDownBySegment

The following examples show what renderings will look like when either a static or dynamic rendering is provided simply by adding a model structure information to the fact table information:

XBRL Cloud viewer which is dynamic:

https://edgardashboard.xbrlcloud.com/flex/viewer/XBRLViewer.html#instance=http://www.sec.gov/Archives/edgar/data/1499717/000114420414023904/staf-20140228.xml



Another viewer which is likewise dynamic (under construction):

Reporting Entity [Axis]	http://www.sec.gov/CIK 0000789019		
.egal Entity [Axis]	sec:DefaultLegalEntity		
Period [Axis]	2013-12-31		
Assets [Abstract]			
Assets Current [Abstract]			
Cash And Cash Equivalents At Carrying Value	10,059,000,000		
Available For Sale Securities Current	73,885,000,000		
Cash Cash Equivalents And Short Term Investments	83,944,000,000		
Accounts Receivable Net Current	15,986,000,000		
Inventory Net	1,594,000,000		
Deferred Tax Assets Liabilities Net Current	1,328,000,000		
Other Assets Current	4,018,000,000		
Assets Current	106,870,000,000		
Property Plant And Equipment Net	11,567,000,000		
ong Term Investments	14,607,000,000		
Goodwill	14,680,000,000		
Finite Lived Intangible Assets Net	2,945,000,000		
Other Assets Noncurrent	2,874,000,000		
Assets	153,543,000,000		
Liabilities And Stockholders Equity [Abstract]			
Liabilities Current [Abstract]			
Accounts Payable Current	5,398,000,000		
hort Term Borrowings	300,000,000		
ong Term Debt Current	2,000,000,000		
mployee Related Liabilities Current	3,169,000,000		
ccrued Income Taxes Current	591,000,000		
eferred Revenue Current	17,616,000,000		
Deposits Received For Securities Loaned At Carrying Value	748,000,000		
ther Liabilities Current	3,920,000,000		
iabilities Current	33,742,000,000		
ong Term Debt Noncurrent	20,676,000,000		
Deferred Revenue Noncurrent	1,858,000,000		
Deferred Tax Liabilities Noncurrent	2,377,000,000		
Other Liabilities Noncurrent	9,790,000,000		
iabilities	68,443,000,000		
Commitments And Contingencies	null		
Stockholders Equity [Abstract]			
Common Stocks Including Additional Paid In Capital	67,476,000,000		
Retained Earnings Accumulated Deficit	14,347,000,000		
Accumulated Other Comprehensive Income Loss Net Of Tax	3,277,000,000		
Stockholders Equity	85,100,000,000		
iabilities And Stockholders Equity	153,543,000,000		

SEC Viewer which is static meaning you cannot change the rendering:

http://www.sec.gov/cgi-bin/viewer?action=view&cik=1432176&accession_number=0001140361-14-017189&xbrl_type=v#

Balance Sheets (USD \$)	Feb. 28, 2014	Nov. 30, 2013
Current assets		
Cash	\$ 1,870	\$ 2,800
Other current assets	2,479	1,532
Total Current Assets	4,349	4,332
Property and equipment, net of accumulated depreciation of \$37,672 and \$32,444, respectively		5,228
TOTAL ASSETS	4,349	9,560
Current Liabilities:		
Accounts payable and accrued liabilities	33,485	36,362
Due to related parties	365,755	317,755
Derivative liabilities	175,115	90,699
Convertible notes payable, net of debt discount of \$10,516 and \$0, respectively	111,679	115,693
Total Current Liabilities	686,034	560,509
STOCKHOLDERS' EQUITY(DEFICIT)		
Series A Preferred Stock, \$0.0001 par value, 100,000,000 shares authorized, 1,500,000 and 1,500,000 shares issued and outstanding, respectively	15	15
Common stock, \$0.001 par value, 1,000,000,000 shares authorized, 164,079,458 and 108,591,412 shares issued and outstanding, respectively	164,079	108,591
Additional paid-in capital	3,728,296	3,710,954
Accumulated deficit	(4,574,075)	(4,370,509)
Total Stockholders' Equity (deficit)	(681,685)	(550,949)
TOTAL LIABILITIES AND STOCKHOLDERS' EQUITY (DEFICIT)	\$ 4,349	\$ 9,560

CoreFiling Magnify Viewer which is dynamic:

		000000	0001	
	31-Dec-2011			
	All Available-for-Sale Debt and Equity Securities [Domain]	Treasury bills [Member]	Corporate bonds [Member]	Sovereign debt securities [Member]
Available-for-sale Securities, Contractual Maturities [Table]				
Available-for-sale Securities, Contractual Maturities [Line Items]				
Available-for-sale securities at amortized cost [Roll Up]		•		
Due in one year or less	\$300,000,000	\$100,000,000	\$100,000,000	\$100,000,000
Due after one year through five years	\$300,000,000	\$100,000,000	\$100,000,000	\$100,000,000
Due after five years through ten years	\$300,000,000	\$100,000,000	\$100,000,000	\$100,000,000
Due after ten years	\$300,000,000	\$100,000,000	\$100,000,000	\$100,000,000
No contractual maturity dates	\$300,000,000	\$100,000,000	\$100,000,000	\$100,000,000
Available-for-sale securities at amortized cost	\$1,500,000,000	\$500,000,000	\$500,000,000	\$500,000,000
Available-for-sale securities at estimated fair value [Roll Up]	4	4	~	4
Due in one year or less	\$300,000,000	\$100,000,000	\$100,000,000	\$100,000,000
Due after one year through five years	\$300,000,000	\$100,000,000	\$100,000,000	\$100,000,000
Due after five years through ten years	\$300,000,000	\$100,000,000	\$100,000,000	\$100,000,000
Due after ten years	\$300,000,000	\$100,000,000	\$100,000,000	\$100,000,000
No contractual maturity dates	\$300,000,000	\$100,000,000	\$100,000,000	\$100,000,000
Available-for-sale securities at estimated fair value	\$1,500,000,000	\$500,000,000	\$500,000,000	\$500,000,000
	-	4	4	4

FireFox browser addin which is dynamic:

105 - Statement - CONSOLIDATED STATEMENTS OF INCOME



EdgarOnline iMetrix which is Excel-based:

	A	В	С	D	
	**	В	C	U	
1	I·Metrix .				
2	Name	Total Str.			
3	Symbol	(800)			
4	Form	1806			
4	Period Dates	1/1/2010 - 1/1/2009 - 1/1/2008 -			
5	1 0110 d D d (0)	12/31/2010	12/31/2009	12/31/2008	
6	CONSOLIDATED STATEMENTS OF INCOME				
7	Revenues	\$29,321,000,000	\$23,651,000,000	\$21,796,000,000	
8	Costs and expenses:				
9	Cost of revenues (including stock-based compensation expense of \$41, \$47, \$67)	\$10,417,000,000	\$8,844,000,000	\$8,622,000,000	
10	Research and development (including stock-based compensation expense of \$732, \$725, \$861)	\$3,762,000,000	\$2,843,000,000	\$2,793,000,000	
11	Sales and marketing (including stock-based compensation expense of \$206, \$231, \$261)	\$2,799,000,000	\$1,984,000,000	\$1,946,000,000	
12	General and administrative (including stock-based compensation expense of \$141, \$161, \$187)	\$1,962,000,000	\$1,668,000,000	\$1,803,000,000	
13	Total costs and expenses	\$18,940,000,000	\$15,339,000,000	\$15,164,000,000	
14	Income from operations	\$10,381,000,000	\$8,312,000,000	\$6,632,000,000	
15	Impairment of equity investments	\$0	\$0	-\$1,095,000,000	
16	Interest and other income, net	\$415,000,000	\$69,000,000	\$316,000,000	
17	Income before income taxes	\$10,796,000,000	\$8,381,000,000	\$5,853,000,000	
18	Provision for income taxes	\$2,291,000,000	\$1,861,000,000	\$1,626,000,000	
19	Net income	\$8,505,000,000	\$6,520,000,000	\$4,227,000,000	
20	Net income per share of Class A and Class B common stock:				
21	Basic	\$26.69	\$20.62	\$13.46	
22	Diluted	\$26.31	\$20.41	\$13.31	