

# 1. Hello World Example

This section walks you through a very basic “hello word” example of an XBRL-based digital financial report<sup>1</sup>.

## 1.1. Hello world!

The Hello World example is a very, very basic XBRL-based report. The report has one Network which contains one explicit Table, which makes up one Component, which contains one Block. The Block has a Roll Up concept arrangement pattern.

### 1.1.1. Visual Example

The screenshot shows an XBRL viewer interface. On the left, there is a 'Components (1)' pane with a search filter and a tree view showing a 'Network' containing a 'Table' for 'Property, Plant and Equipment, Net, Total [Roll Up]'. Below this is an 'Information' pane with details for the selected component, including Network (30000 - Property, Plant, and Equipment, by Component), Label, Sort Code, Title, Type, Level, Name, Components, Disclosure, Confidence, Status, Id, Facts, Report Elements, and Parenthetical Explanations. The 'Collections' pane shows 'Blocks', 'Facts', 'Report Elements', and 'Parenthetical Explanations'. The main area displays a table with the following data:

Property, Plant and Equipment, by Component [Line Items]	2010-12-31	2009-12-31
<b>Property, Plant and Equipment, Net [Roll Up]</b>		
Land	5,347,000	1,147,000
Buildings, Net	244,508,000	366,375,000
Furniture and Fixtures, Net	34,457,000	34,457,000
Computer Equipment, Net	4,169,000	5,313,000
Other Property, Plant and Equipment, Net	6,702,000	6,149,000
<b>Property, Plant and Equipment, Net, Total</b>	<b>295,183,000</b>	<b>413,441,000</b>

<sup>1</sup> Hello world example, <http://xbrlsite.azurewebsites.net/2016/HelloWorldExample/HelloWorld-SampleInstance.xml>

### 1.1.2. Basic Automated Rendering

Component: (Network and Table)		
Network	30000 - Document	Property, Plant, and Equipment, by Component
Table	Property, Plant and Equipment, by Component [Table]	
Reporting Entity [Axis]	SAMP <a href="http://www.SampleCompany.com">http://www.SampleCompany.com</a>	
Legal Entity [Axis]	Consolidated Entity [Member]	
	Period [Axis] ▼	
Property, Plant and Equipment, by Component [Line Items]	2010-12-31	2009-12-31
<b>Property, Plant and Equipment, Net [Roll Up]</b>		
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### 1.1.3. Report Elements and Model Structure

Example 1 (Business professional oriented view)

Label	Report Element Class	Period	Balance	Name
Property, Plant and Equipment, by Component [Table]	[Table]	For Period		helloWorld:PropertyPlantEquipmentByComponentTable
Legal Entity [Axis]	[Axis]	For Period		helloWorld:LegalEntityAxis
Consolidated Entity [Member]	[Member]	For Period		helloWorld:ConsolidatedEntityMember
Property, Plant and Equipment, by Component [Line Items]	[LineItems]	For Period		helloWorld:PropertyPlantAndEquipmentByComponentLineItems
Property, Plant and Equipment, Net [Roll Up]	[Abstract]	For Period		helloWorld:PropertyPlantAndEquipmentNetRollUp
Land	[Concept] Monetary	As Of	Debit	helloWorld:Land
Buildings, Net	[Concept] Monetary	As Of	Debit	helloWorld:BuildingsNet
Furniture and Fixtures, Net	[Concept] Monetary	As Of	Debit	helloWorld:FurnitureAndFixturesNet
Computer Equipment, Net	[Concept] Monetary	As Of	Debit	helloWorld:ComputerEquipmentNet
Other Property, Plant and Equipment, Net	[Concept] Monetary	As Of	Debit	helloWorld:OtherPropertyPlantAndEquipmentNet
Property, Plant and Equipment, Net, Total	[Concept] Monetary	As Of	Debit	helloWorld:PropertyPlantAndEquipmentNet

Example 2 (Technical syntax oriented view)

	Element Type	Data Type	Period	Balance	Name	Order
Presentation View						
30000 - Property, Plant, and Equipment, by Component	Extended Link					
Property, Plant and Equipment, by Component [Table]	Table	String	duration	na	PropertyPlantEquipmentByComponentTable	0
Legal Entity [Axis]	Axis	String	duration	na	LegalEntityAxis	1
Consolidated Entity [Member]	Member	String	duration	na	ConsolidatedEntityMember	1
Property, Plant and Equipment, by Component [Line Items]	Abstract	String	duration	na	PropertyPlantAndEquipmentByComponentLineItems	2
Property, Plant and Equipment, Net [Roll Up]	Abstract	String	duration	na	PropertyPlantAndEquipmentNetRollUp	1
Land	Element	Monetary	instant	debit	Land	1
Buildings, Net	Element	Monetary	instant	debit	BuildingsNet	2
Furniture and Fixtures, Net	Element	Monetary	instant	debit	FurnitureAndFixturesNet	3
Computer Equipment, Net	Element	Monetary	instant	debit	ComputerEquipmentNet	4
Other Property, Plant and Equipment, Net	Element	Monetary	instant	debit	OtherPropertyPlantAndEquipmentNet	5
Property, Plant and Equipment, Net, Total	Element	Monetary	instant	debit	PropertyPlantAndEquipmentNet	6

### 1.1.4. Business Rules

Property, Plant and Equipment, Net = Land + Buildings, Net + Furniture and Fixtures, Net + Computer Equipment, Net + Other Property, Plant and Equipment, Net.

### 1.1.5. Description

The Hello Word example is a breakdown of the components of property, plant and equipment.

### **1.1.6.Extension Points**

The following are the logical extension points for a *Hierarchy* metapattern:

- Add new [Axis]
- Add new [Member] to [Axis]
- Add new concepts to the concepts being rolled up (i.e. a new total concept cannot be added, that would require an entirely new roll up) to the set of [Line Items]; for example, adding “Airplanes” to the roll up above would make sense but adding another concept “Property, Plant and Equipment, Net” would not make sense