

# Top 15 Magento Interview Questions & Answers

## 1) Mention what is Magento?

Magento is an e-commerce platform created on open source technology, which provides online merchants with an exceptional flexibility and control over the content, look and functionality of their e-commerce store.

## 2) Mention what is the architecture of Magento? What are the different versions of Magento?

Magento architecture is a typical PHP **MVC (Model-View-Controller)** application, where all the **Controllers** will be in one folder and all the **Models** in another, etc. Based on their functionality files are grouped together, which are referred as modules in Magento.

Different version of Magento includes

- Magento Enterprise
- Magento .go
- Magento Community

## 3) Mention what technology does Magento use?

Magento use PHP as a web server scripting language and MySQL for database.

## 4) Mention what is the difference between `Mage::getModel()` and `Mage::getSingleton()` in Magento?

- **`Mage::getModel()`**: It always creates a new object
- **`Mage::getSingleton()`**: It always look for an existing object and if not then creates a new object

## 5) Mention what are the basic features of Magento?

Basic features of Magento includes

- Reporting and Analytics
- Product and Catalog Browsing
- Customer Accounts
- Order Management
- Payment
- Site Management
- Shipping
- Search engine optimization
- Marketing promotions and tools

- Checkout
- International Support



## 6) Mention what is the limitation of Magento?

- Magento is supported by PHP, comparatively to other e-commerce solutions, Magento might be slow in performance
- It becomes a complex system if it is not using object-oriented programming
- Magento requires much space and memory

## 7) Explain how you can enhance the Magento performance?

To enhance the Magento performance

- Disable the Magento log
- Combine external CSS/JS into one file
- Disable any unused modules
- MySQL Query Caching
- Enable Magento caching
- Enable Gzip compression
- Optimize your image

## 8) Explain how you can show a certain number of products for guests in Magento?

In the toolbar block you will see

**app/code/core/Mage/Catalog/Block/Product/List/Toolbar.php**

there is a method:

**Public function setCollection(\$collection);**

Inside there is a piece of code:

**\$limit= (int)\$this->get Limit();**

**If (\$limit) {**

```
$this->_collection->setPageSize($limit);
```

```
}
```

You have to change variable \$limit; you should override that block in the local pool, not change directly in the core. In order to see whether the customer is a guest, you can use this code

```
Mage::getSingleton('customer/session')->isLoggedIn()
```

### 9) Mention what all billing information can be managed through Magento?

From the client Magento account, you can do following things

- Update your billing address
- Add a credit card
- View your billing history
- Add a PayPal account
- Produce a print ready receipt

### 10) Explain how you can change Magento Core API settings?

To change Magento Core API settings, you have to

- Go to Admin menu, choose **System -> Configuration**
- Select Magento Core API on the left side of the **Configuration Panel**, under **Services**
- Tap on to expand the **General Settings** section and you can
- Type the name of the **Default Response Charset** that you want to use
- Determine the **Client Session Timeout** in seconds
- Click the **Save Config** button when complete

### 11) Explain how Magento can be made more secure for the client?

Best practices for Magento includes

- Using a strong password and changing them at regular interval
- Disable remote access to Magento Connect Manager
- Disable Downloader on production sites
- Restrict access to safe IP addresses

### 12) Mention what is the benefit of applying Connect Patches in Magento?

In Magento, applying connect patch

- It enables easy installation of packages with installation; it overwrites any existing translations for the same time
- For enhancing security, by default **Magento Connect** uses HTTP to download extensions instead of FTP
- With a dash character in the name, extension developers can now create extensions
- Magento administrators will be informed now who tries to install an extension with insufficient file system privileges

### 13) Explain how you can move Magento to another Directory?

To move Magento to other Directory you have to follow the following steps.

- Suppose you have Magento installed in the following location

`http://www.guru99.com/store/`

- On visiting your site, you want Magento to be the first thing to come up

`http://www.guru99.com`

- Let assume you have a directory structure like this

`/home/username/public_html/`

- Which means Magento would be installed here

`/home/username/public_html/store/`

- Login to the backend of the Magento first and go to

System -> Configuration -> Web

Update the Secure and Unsecure URL for your store and then link to your site via SSH and then go to the directory, where you will be shifting Magento

`cd public_html/`

- Now, transfer all the files from the store directory to the directory you are in

`mv store/* store/.htaccess`

- Delete the cache data

`rm -vf var/cache/`

Now Magento is moved to another directory.

#### **14) Explain how you can reset Magento file & Directory permissions?**

You can reset Magento file & Directory to their default and secure permissions, by following commands from the directory where Magento is installed

`find . -type f -exec chmod 644 {} \;`

`find . -type d -exec chmod 755 {} \;`

`chmod +x mage`

#### **15) Explain how you can configure Magento to work with another domain?**

To do that, in the admin area, you have to change the Magento Base URL option. To do this, visit to your Magento admin area> System > Configuration and click Web on the left menu. Select the **Unsecure option** after that edit the base URL field to change the URL that will be used for normal (HTTP) connections.

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