Software specifications

Chapter	Software	Free/Proprietary	If	If	Download links to the	Hardware	OS required
number	required		proprietary,	proprietary,	software	specifications	
	(With		can code	then cost of		-	
	version)		testing be	the			
			performed	software			
			using a trial				
			version				
1	Virtual	Free			https://www.virtualbox.org/	Common	Any
	Box 5.x					Unix Printing	
	or					System	
	higher						
2	Ubuntu	Free			https://www.ubuntu.com/	Common	
	Server					Unix Printing	
	16.04					System	
	LTS or						
	higher						
3	Ubuntu	Free			https://www.ubuntu.com/	Common	
	Server					Unix Printing	
	17.04 or					System	
	higher						
4	PHP	Free			http://php.net/	Common	Any / Ideally use
	7.1.x or					Unix Printing	Ubuntu through
	higher					System	Virtual Box
5	Apache	Free			https://httpd.apache.org/	Common	Any / Ideally use
	2.4.x or					Unix Printing	Ubuntu through
	higher					System	Virtual Box
6	Nginx	Free			https://nginx.org/	Common	Any / Ideally use
	1.12.x or					Unix Printing	Ubuntu through
	higher					System	Virtual Box
7	AWS	Free			https://aws.amazon.com/	Common	Any
	user					Unix Printing	

	account				System	
8	Iron.io	Free		https://www.iron.io/	Common	Any
	user				Unix Printing	
	account				System	
9	Docker	Free		https://www.docker.com/	Common	Any / Ideally use
	1.12.x or				Unix Printing	Ubuntu through
	higher				System	Virtual Box
10	MySQL	Free		https://www.mysql.com/	Common	Any / Ideally use
	5.7.x or				Unix Printing	Ubuntu through
	higher				System	Virtual Box
11	Mongo	Free		https://www.mongodb.com/	Common	Any / Ideally use
	3.4.x or				Unix Printing	Ubuntu through
	higher				System	Virtual Box
12	Redis	Free		https://redis.io/	Common	Any / Ideally use
	3.2.x or				Unix Printing	Ubuntu through
	higher				System	Virtual Box
13	Apache	Free		http://jmeter.apache.org/	Common	Any / Ideally use
	JMeter				Unix Printing	Ubuntu through
	3.2.x or				System	Virtual Box
	higher					
14	Zend	Proprietary	Yes	 http://www.zend.com/	Common	Any / Ideally use
	Server				Unix Printing	Ubuntu through
	9.1.x or				System	Virtual Box
	higher					

Detailed installation steps (software-wise)

- 1. Virtual Box, install following the official installation instructions here https://www.virtualbox.org/manual/ch01.html#intro-installing
- 2. Ubuntu Server 16.04 LTS or higher, install following the official installation instructions herehttps://www.ubuntu.com/download/desktop/install-ubuntu-desktop
- 3. The rest of the software can be easily installed following each chapter's guidelines.