

INTRODUCTION TO SERVICE-ORIENTED ARCHITECTURE

Hello, welcome to Zero2ProTraining.com. This is Hasam Mir. In this session I'll talk about service-oriented architecture. We'll be discussing a series of jargon in coming sessions. In this session we'll focus on service-oriented architecture also known as SOA.

So, what is SOA all about? Let's say we have a software, let's call it service consumer, it wants to talk to another software, let's call that service provider. So the consumer software is going to send a service request, a message, to the provider software. The provider is going to reply back with a service response.

When the request is received by the service provider software it is processed by a service. So, what is a service? A service is a well defined function that does not depend on the state of other services. The consumer software needs to know how to call this service, for example what arguments or parameters the service is expecting; and also needs to know what kind of response the service will be sending back to the consumer.

Now it's important to know that SOA is a solution for making two software communicate to each other. A human being can interact with a keyboard with a software, for example when you fill out a back page form; you can easily do that because on one side we have a human on the other side we have a software.

But when two software talk to each other there has to be a discipline in place, so that is where SOA comes into the picture.

So this implementation can be used for in any form you like, for example web services is an implementation of service-oriented architecture; we'll talk about web services in detail in coming sessions; in this session I just wanted to give you an overview of what SOA is all about.