

Video Transcript

## **IBM Software Services and Support**

### **Architecting for the Cloud**

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So as you go to build composable applications on Bluemix there's new things to learn.

And there are new challenges as well as some existing ones.

There's great payback for doing it and getting to these rapid applications.

So in terms of some of the new kinds of skills, you can certainly still use Java, so you can bring that skill over.

Many customers do use JavaScript, especially when you're going to mobile, and you can use other languages as well.

You need to learn to architect for the cloud.

These are horizontally scalable applications.

There's a sort of set of rules that you follow to do this well.

And if you really want to be able to grow it there's an additional set of architectural patterns and implementation patterns that you should use.

So there's a best practices that go along with this, some of which are known, some more which we are putting out there, many of which we're helping our clients with in a consulting way so that we help the clients to build initial projects, and teach them how to build these kinds of cloud applications .

And then there's another part of it, which is kind of the management of this.

So you have all these different services that you're using, how do you know that they're going to be good and reliable, and how do you monitor for that?

So part of the answer is that, in the marketplace for the services, we're putting information about what kinds of plans there are – that's how you consume it – there will be ratings against that.

We're looking at are there metrics that we can provide in terms of uptime and things like that.

Some of that is in fact evolving.

There are choices to make amongst the services that we can advise you on, in terms of the maturity, in terms of the APIs that you're using into the provider, so that if you choose services with very standards-based APIs it gives you more flexibility if you want to later switch the provider, which people do do.

So there are guidelines like that that we can provide.

There's monitoring capabilities and some security capabilities that you can use as part of building your applications, and we can also help and advise on what are the best ways to do that.