Hello, Cloud Gurus, and welcome to this lesson,

where we'll explore how to use the AWS CloudShell.

And we'll begin by launching the CloudShell

from the AWS console.

Now the CloudShell provides you with a Linux terminal

that gives you access to a load of pre-installed tools,

so we're going to take a look at what's installed.

And we can use the CloudShell

to run AWS CLI commands in our account.

For instance, we can create an S3 bucket

or create a Dynamo DB table,

and we can, basically, do anything that we want,

using the CLI providing our user account that we use

to log in to the console has permission to do so.

So if you'd like to explore the AWS CloudShell,

please join me in the console.

So, from the console, I'm going to launch the CloudShell

by selecting this icon on the top right of the screen.

Now it takes a few moments to initialize,

so just be patient.

I'm going to close down the welcome screen.

And once it's ready, it should look like this.

Now the CloudShell is simply a virtual Linux terminal

that they provide to you, and it comes pre-installed

with loads of different tools that you can use

to administer your AWS environment.

And if you type ll, then use a /local/bin and hit enter,

you can see that loads of different utilities

have been pre-installed in /usr/local/bin.

So you get quite a lot pre-installed.

And in addition to this,

you also get programming languages and runtimes,

SDKs for Python, and Node.js.

And you can also install

your own additional software as well.

Now you even get some persistent storage

in a home directory, and you can upload and download

any files and scripts that you want to

to your CloudShell environment.

And if you select Actions,

this is where you can download and upload files.

Now, the great thing about this is that there's nothing

to configure, and it's completely free to use as well.

So what about the AWS CLI?

I'm going to clear my screen.

And if we run aws --version and hit Enter,

we can see that the AWS CLI is pre-installed.

So let's go ahead and create an S3 bucket.

Type aws s3 mb, for make bucket, then s3://,

and we'll give our bucket a unique name.

I'm going to add some random numbers on the end

to give me a unique name and hit Enter.

Then run aws s3 ls, and there is our bucket.

So that is the AWS CloudShell.

And if you're interested in learning more,

I've included a link to the CloudShell user guide

in the resources for this lesson.

And this is where you'll find all the latest information

on what they've included.

And if you scroll down,

you'll find all the details of the pre-installed software.

We've got some pre-installed shells,

different command line interfaces, runtimes and SDKs,

and different development tools and shell utilities.

So, in summary, you can launch the CloudShell

from inside the AWS console.

It's a Linux terminal with a wide range

of pre-installed tools, including the AWS CLI,

and it's a really easy way to run AWS CLI commands

without having to configure anything on your local machine.

Now for the exam, you don't need to remember any of this.

I just wanted to show it to you

because I think it's a really cool feature

that is going to make your life easier.

So that's it for this lesson.

Any questions, let me know.

I hope you enjoy using the CloudShell,

and I will see you in the next lesson. Thank you.