

Integrating Cloud9 and Other AWS Services



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Key AWS Services for Cloud9 Integrations



Lightsail

Easiest way to get started with AWS



CodeStar

Quickly develop, build, and deploy entire applications



Lambda

Run code without provisioning servers
("serverless")



CodePipeline

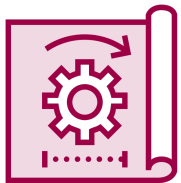
Automated building, testing, and releasing of software
("continuous delivery")



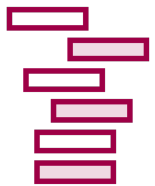
AWS Lightsail



Easiest way to use AWS to launch a project, launches virtual machine with prepackaged storage, data transfer, DNS management, and a static IP



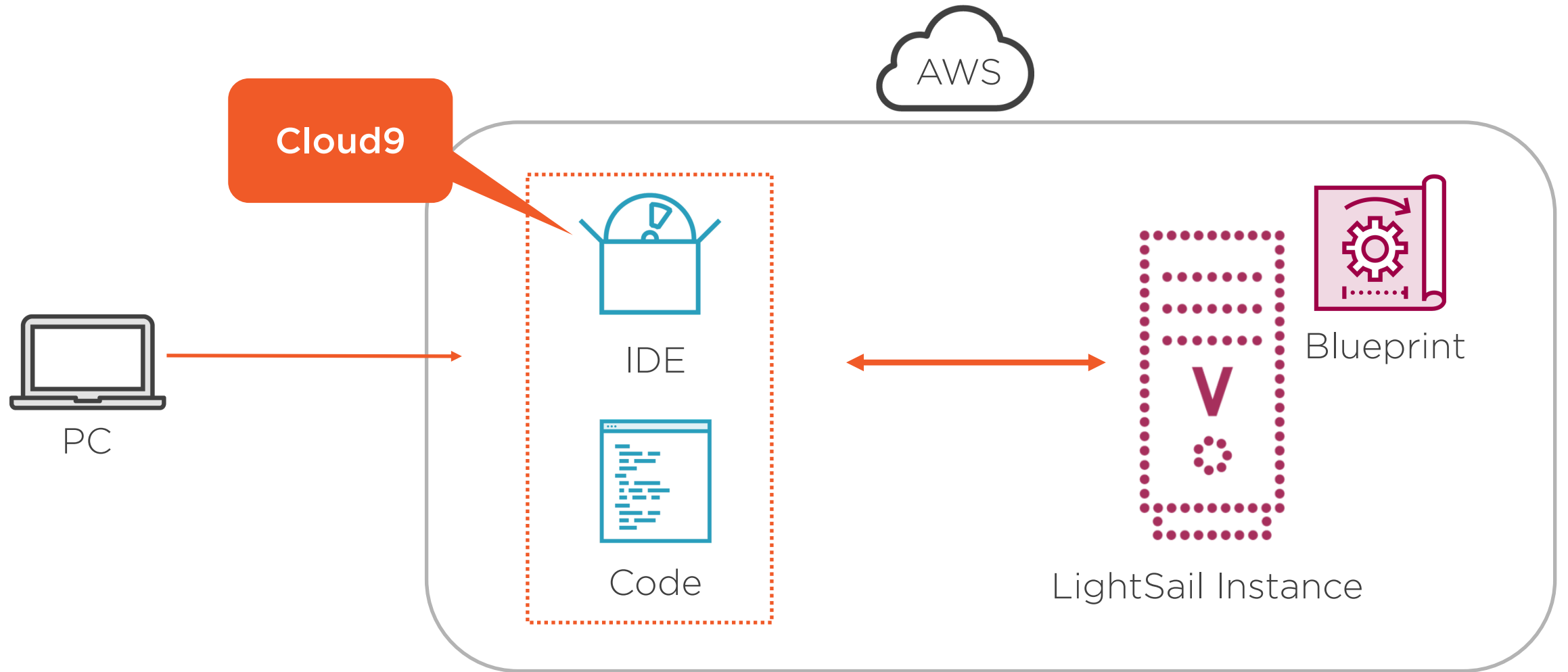
Users can select “blueprints” that spawn Lightsail environments with preconfigured software (e.g. WordPress)



Integration with Cloud9 allows developers to use the Cloud9 IDE to directly change code on Lightsail instances



AWS Lightsail with Cloud9



AWS CodePipeline



Visual modeling of automated processes that release software changes



Connects to source code repositories such as CodeCommit, Git, and S3



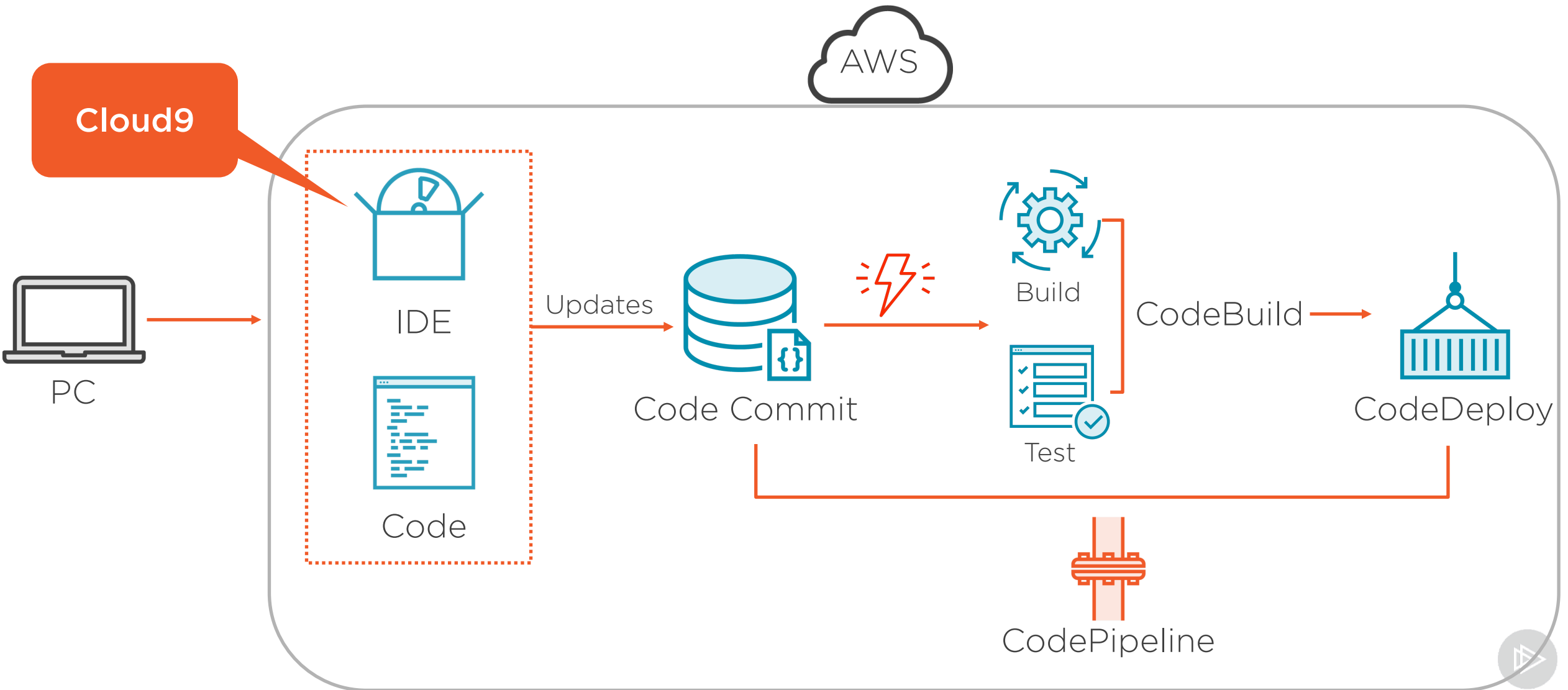
Cloud9 can be synced with repository to update and push code updates



CodePipeline can be triggered manually or automatically on code changes to release software changes to environments



AWS CodePipeline with Cloud9



AWS CodeStar



Quickly provision resources required for entire applications



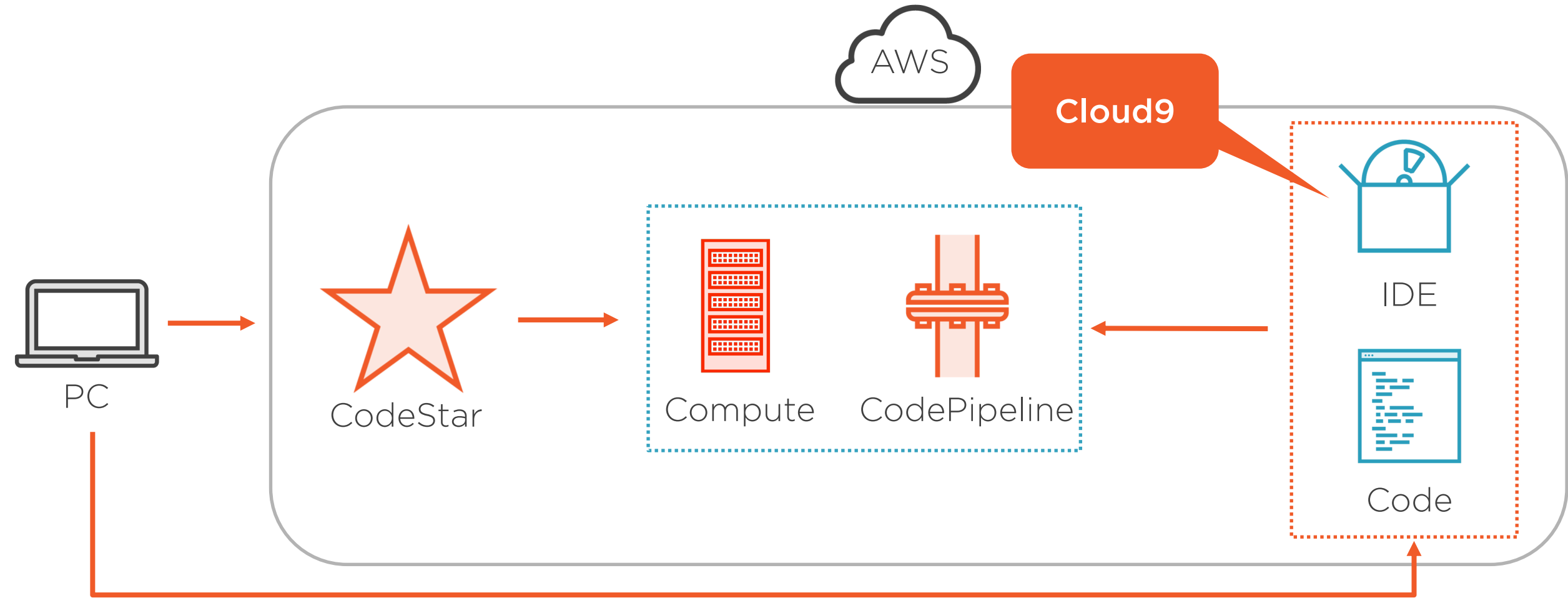
Entire application continuous delivery toolchains (CodePipeline) with the click of a button



Connection with Cloud9 enables cloud development within the IDE for CodeStar projects



AWS CodeStar with Cloud9



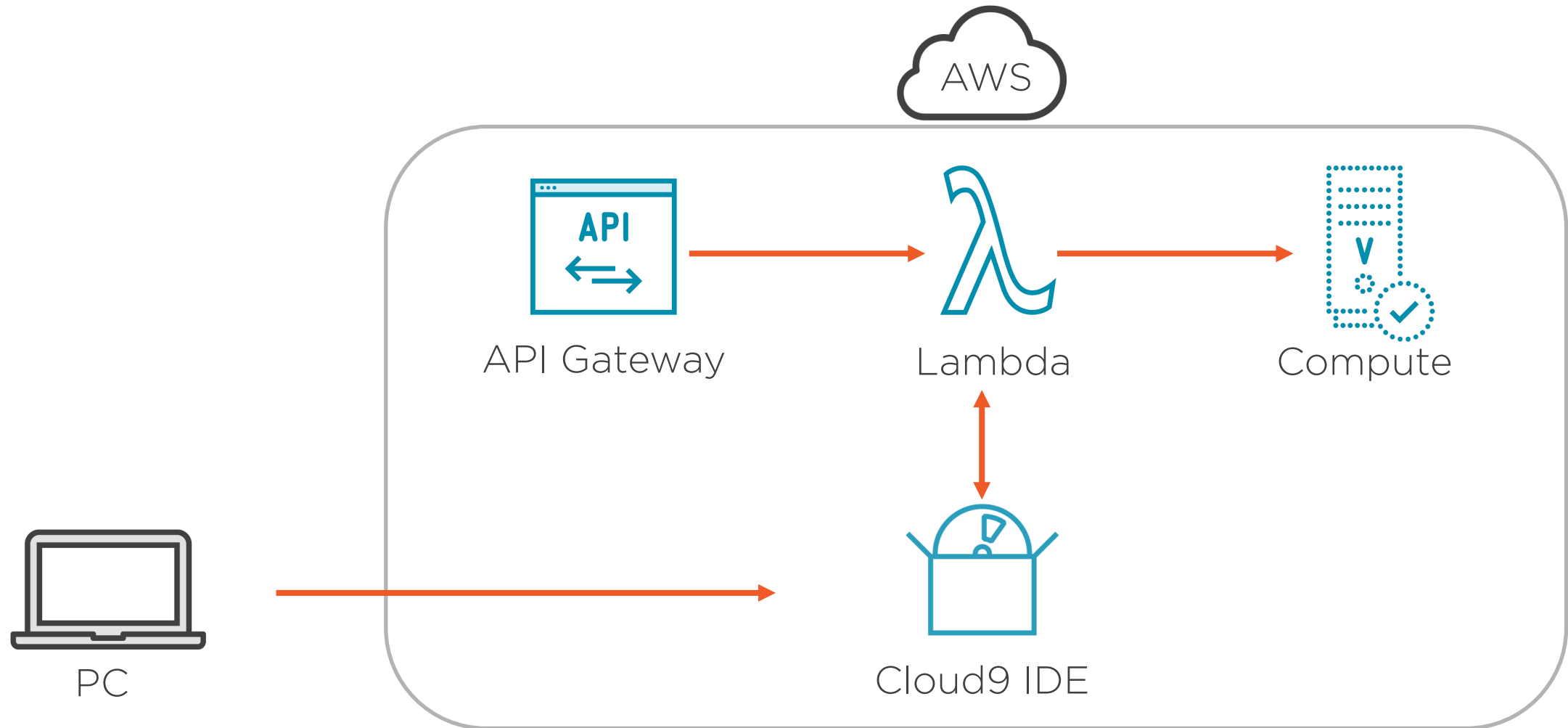


AWS Lambda

Write scalable code without any administration
and only pay for the compute time you consume



AWS Lambda with Cloud9





Monitoring

How do I know what's going on in my AWS environment?



CloudWatch vs. CloudTrail



CloudWatch

Logging of resources, applications, and services that run on AWS



CloudTrail

Audit of all AWS API calls within the AWS account



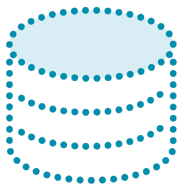
Monitoring Cloud9 usage with CloudTrail



Record of all actions taken by users in Cloud9



Logs include timestamps, users, source IP addresses, and additional request details



Can configure a trail to place all Cloud9 CloudTrail logs into an S3 bucket or just view logs in the general CloudTrail event history



Summary



Read, write, and debug code with Cloud9

Leverage Cloud9 features to optimize development

Enabling team access and collaboration with Cloud9

Integrating Cloud9 with other AWS services

