The AWS Developer Tools

Modern DevOps For Your Applications

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Agenda

- The AWS Developer Tools
- CodeStar
- CodeCommit
- CodeBuild
- CodeDeploy
- CodePipeline
- CodeArtifact

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The AWS Tools

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Aws Development Tools

- Provide full-featured modern development tools
- Dev-Ops tools and management
- Some free tier. Most low cost outside of deployment
- Secure and Command Line enabled

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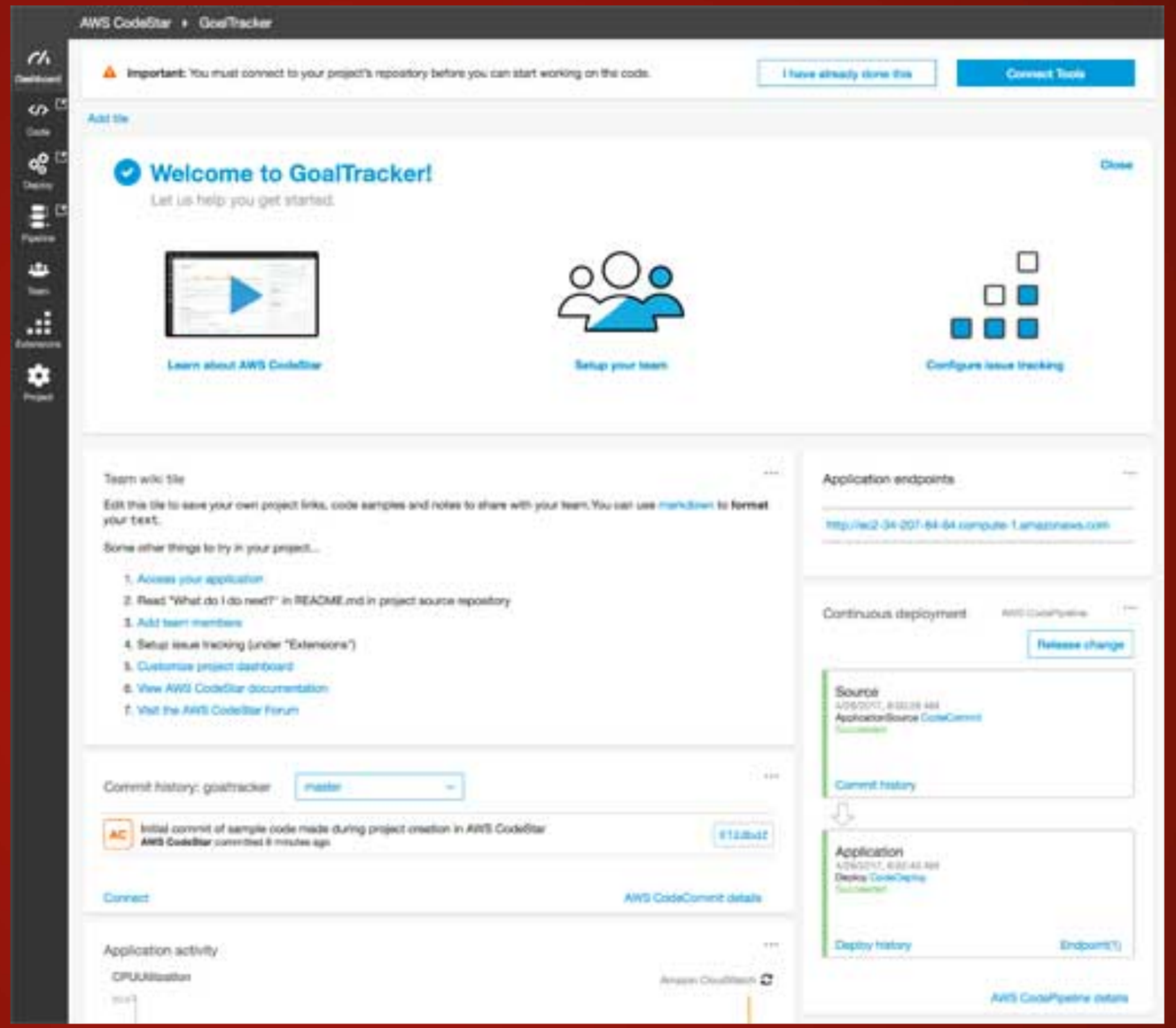
Code Star



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Code Star

- Quick way to launch a dev environment
- Includes building out version control, pipelines, etc. for a quick start
- Supports dozens of environments and languages.

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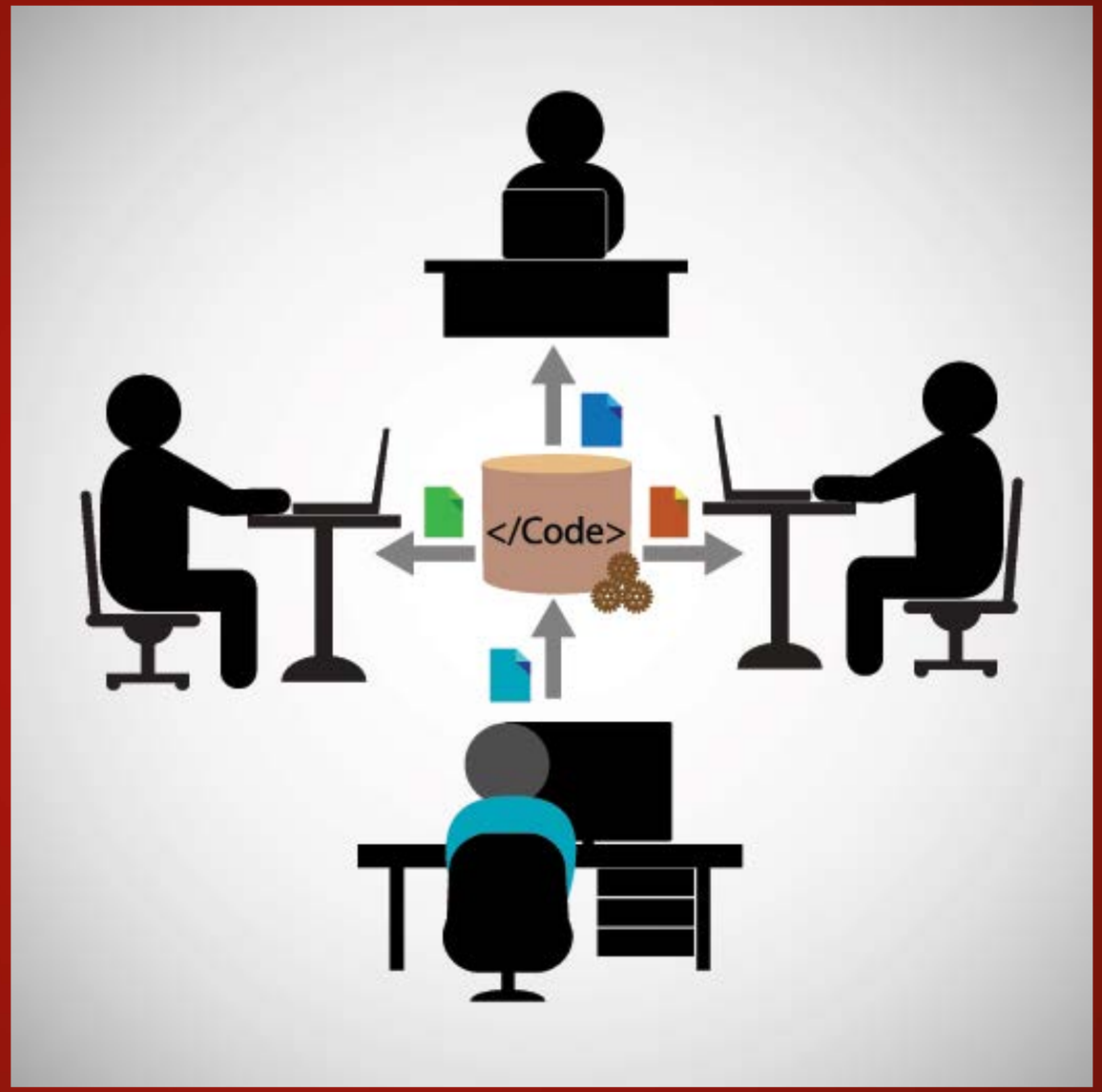
Working Session

Code Commit



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Code Commit

- Full-featured git version control
- Free tier – unlimited repositories, 50GB/mo storage,10,000 git requests/mo up to 5 users
- Paid $1/mo per user past 5, 10GB storage per user, 2000 requests per user
- Highly secure and has separate credentials

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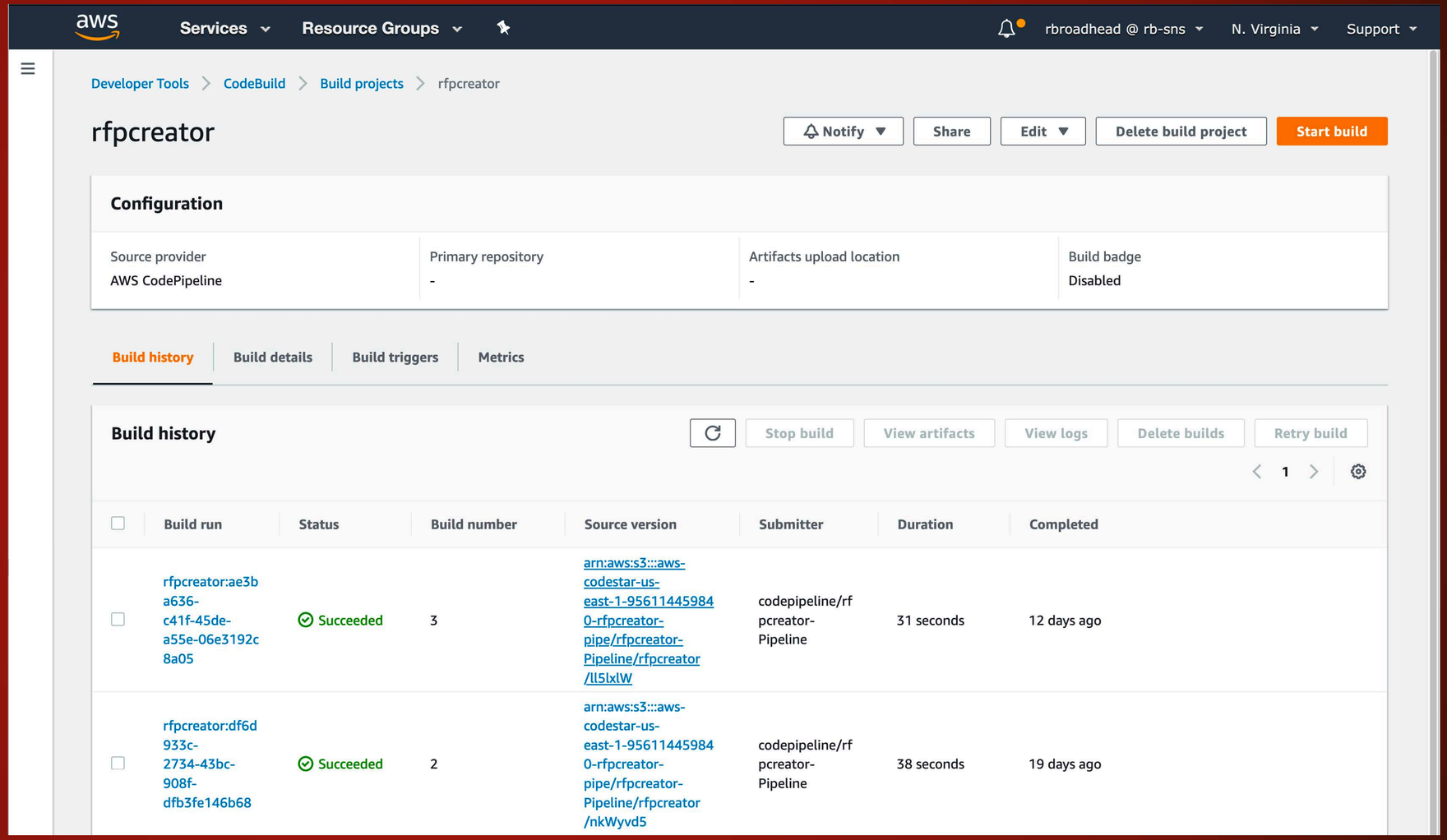
Code Build



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Code Build

- Fully Managed CI tool
- Compiles code, runs tests
- Builds software packages
- Easy to shift/deploy versions
- Support for Lambda and triggers

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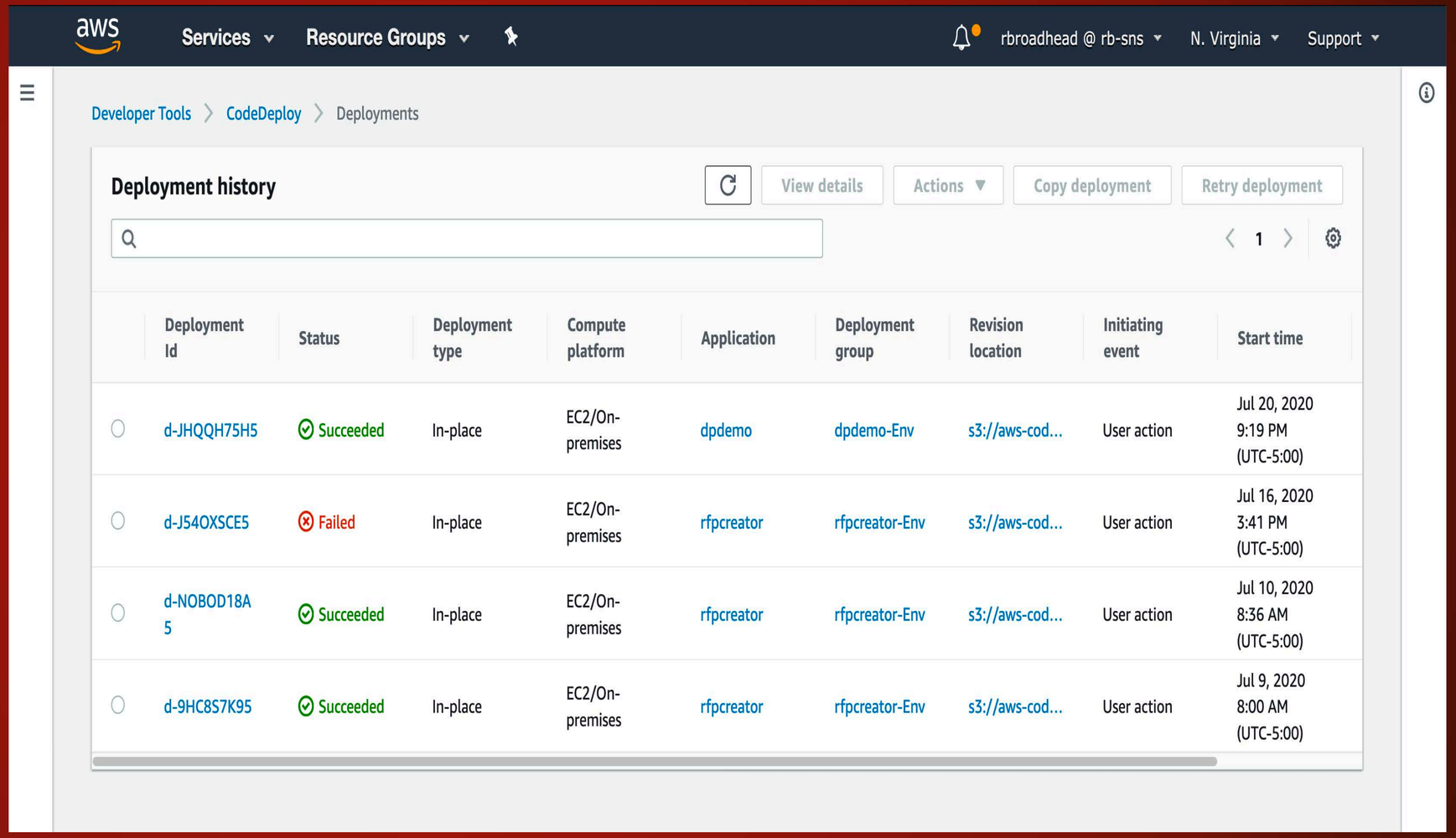
Code Deploy



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Code Deploy

- “AWS CodeDeploy is a fully managed deployment service that automates software deployments to a variety of compute services such as Amazon EC2, AWS Fargate, AWS Lambda, and your on-premises servers.”
- Automate deployments and triggers

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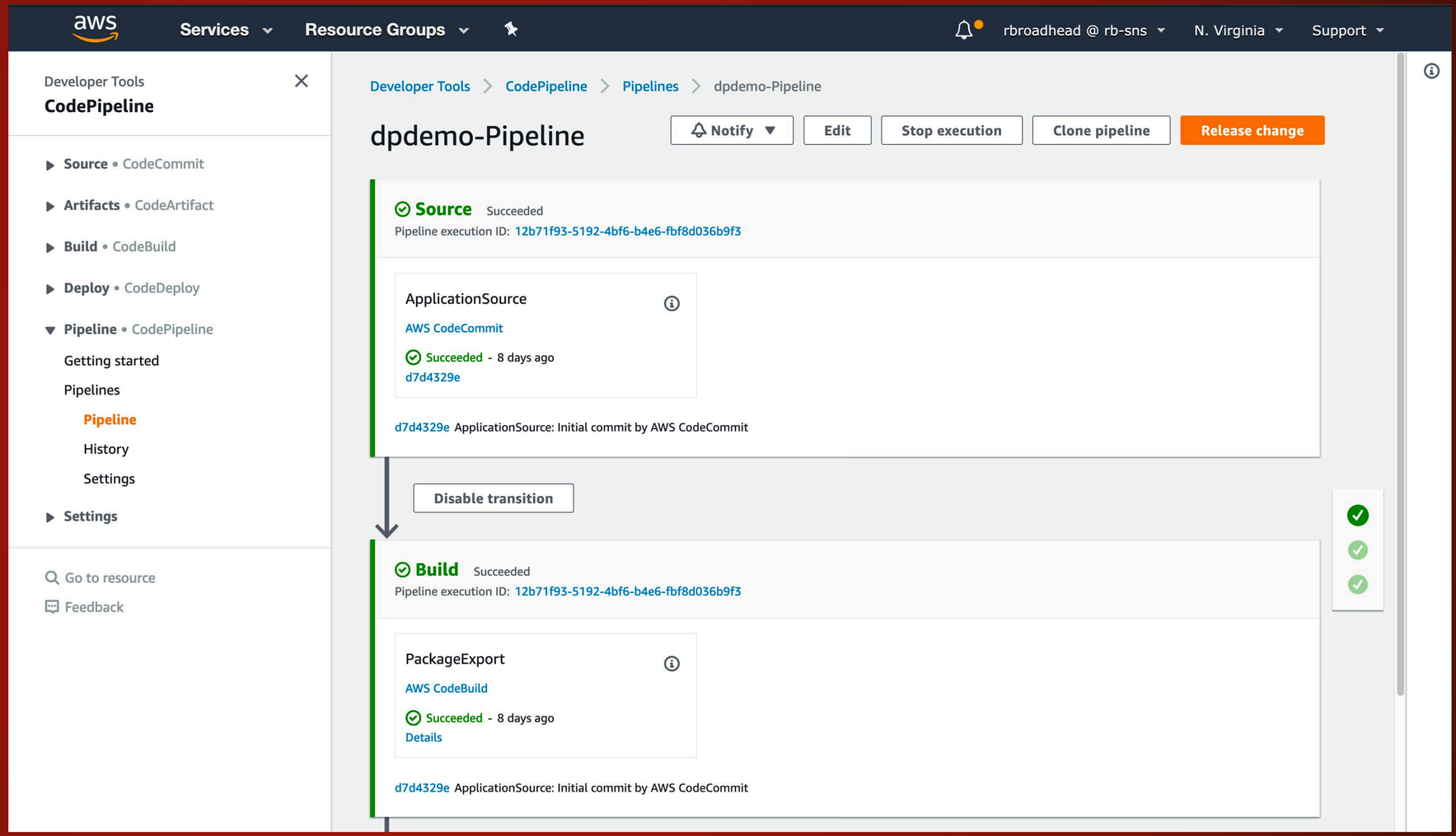
Code Pipeline



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Code Pipeline

- Continuous Delivery
- Integrates with other services like Code Commit
- Build and deploy as needed, to multiple targets
- Lambda integration for triggers and notifications

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Aws Services

CODE STAR

CODE COMMIT

CODE ARTIFACTS

CODE BUILD

CODE DEPLOY

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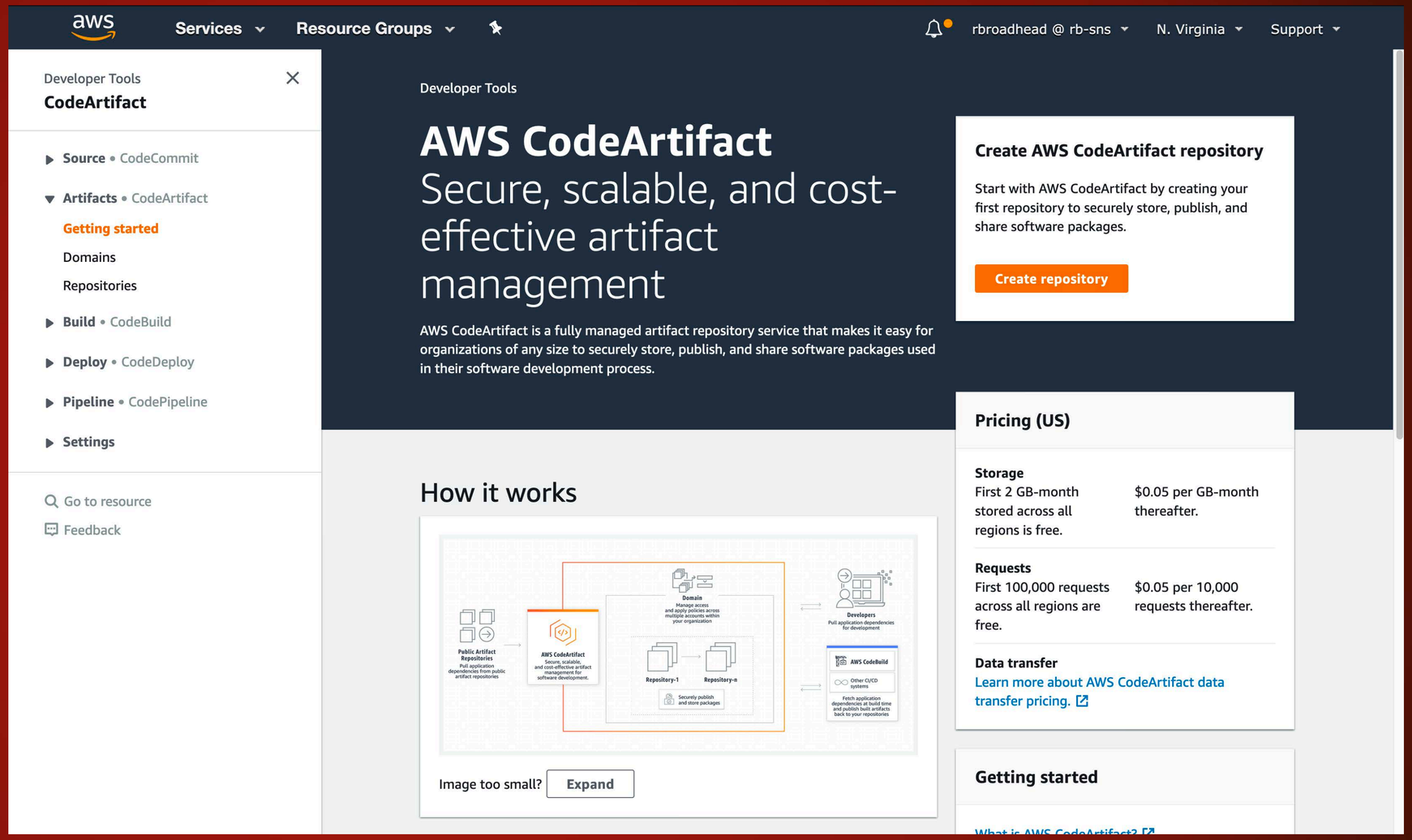
Code Artifact



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Code Artifact

- Store artifacts like libraries and other common binaries
- Cost: 2GB-month free then $0.05 GB-month
- Requests: First 100K free then $0.05 per 10K requests
- Works with a broad range of tools like Maven, Gradle, Yarn, pip, etc.

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Working Session

What We Learned

- AWS has provided a large number of development tools
- These are integrated and often provide free tier levels of access
- There is a GUI to help with these as well as command line options (not shown :))

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Questions and Comments?

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Thank You!

I appreciate your time and would love to discuss any of this further. You can send questions, comments and suggestions through any of these methods.

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