AWS re:Invent

NOV. 29 – DEC. 3, 2021 | LAS VEGAS, NV

CMP310

Workshop for Amazon EC2 Mac instances

Markus Weyerhaeuser (he/him/his)
Sr. Solutions Architect
AWS

Scott Malkie (he/him/his)
Sr. Solutions Architect
AWS

© 2021, Amazon Web Services, Inc. or its affiliates. All rights reserved.

Agenda

What are we doing here tonight?

What are Amazon EC2 Mac instances?

Customer success and feedback

Logistics for the workshop

Self-paced workshop time

Next steps + survey link

© 2021, Amazon Web Services, Inc. or its affiliates. All rights reserved.

Who are we and what are we doing?



- AWS Sr. Solutions Architect, Global Financial Services
- Advises customers in the financial services industry on their cloud journey
- Long term macOS (and NextStep) user



- Amazon EC2 Mac Specialist Solutions Architect
- Helps customers solve business and technical challenges with Amazon EC2 Mac
- Used Windows once; didn’t like it

© 2021, Amazon Web Services, Inc. or its affiliates. All rights reserved.

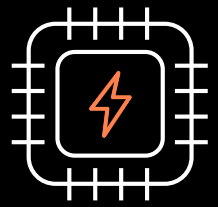
What are Amazon Elastic Compute Cloud (Amazon EC2) Mac instances?



Apple Mac mini hardware

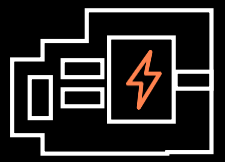
Intel Core i7
3.2 GHz (4.6 GHz turbo)

Built with AWS Nitro



Nitro security chip

Hardware root-of-trust



Nitro card

Network I/O and monitoring

6 physical cores

12 logical cores

32 GB memory

10 Gbps network throughput

8 Gbps Amazon EBS bandwidth

aws

© 2021, Amazon Web Services, Inc. or its affiliates. All rights reserved.

Amazon EC2 Mac



Mac mini meets
AWS Nitro system

© 2021, Amazon Web Services, Inc. or its affiliates. All rights reserved.



"EC2 Mac instances have enabled us to seamlessly migrate our existing iOS and macOS build-and-test pipelines to AWS, altogether improving developer productivity. We're experiencing up to 30 percent better performance over our data center infrastructure, thanks to elastic capacity expansion, and a high availability setup leveraging multiple zones."

Pratik Wadher
VP of Product Development,
Intuit

© 2021, Amazon Web Services, Inc. or its affiliates. All rights reserved.



LEGENDS OF
RUNETERRA

With Amazon EC2 Mac and CI/CD in AWS cloud

- Removed the need to maintain on-premises hardware
- Build pipeline is now 100% in AWS
- Parallelized cross-platform builds
- Improved staff productivity and innovation

© 2021, Amazon Web Services, Inc. or its affiliates. All rights reserved.

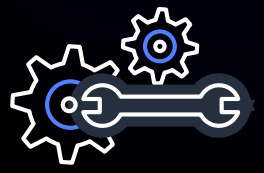


"We recently started using Amazon EC2 instances for our iOS build machines for tasks such as daily betas, app store builds and submissions, and UI testing. Build times have reduced from 20 minutes to 5 minutes. UI automation tests that used to take 3 hours now take less than 1 hour. Download speeds are amazing, and the VNC sessions are as smooth as butter. We are super happy with the finished results."

Colin Caufield
Lead iOS Engineer,
Flipboard

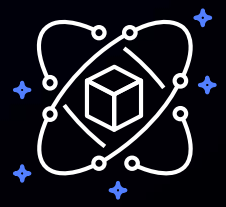
© 2021, Amazon Web Services, Inc. or its affiliates. All rights reserved.

Amazon EC2 Mac instances: Key benefits



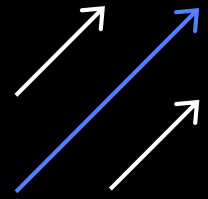
Fully managed, scalable Mac infrastructure

Run builds concurrently, save time, and deliver new apps to market faster



Unified DevOps pipelines

Accelerate pace of innovation across all developer platforms



Amplify developer productivity

Integration with AWS services, such as Amazon EBS, IAM, Amazon S3, and CloudWatch



Build and test from anywhere

Developers access macOS in cloud and stay productive regardless of where they are

Amazon EC2 Mac instances remove the heavy-lifting, allowing you to focus on your core business

aws

© 2021, Amazon Web Services, Inc. or its affiliates. All rights reserved.

Next steps

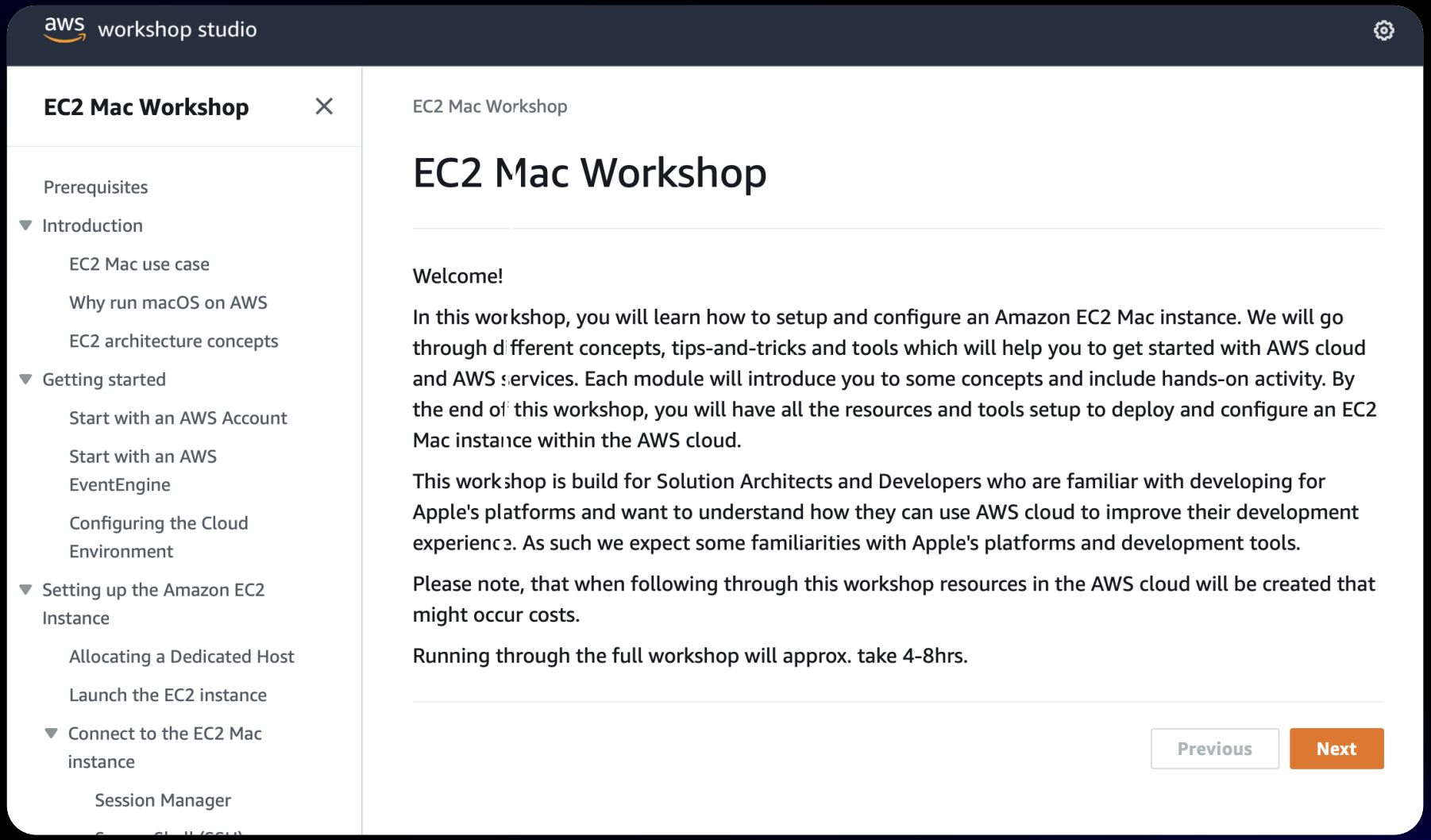
- Check out our Getting Started guide on GitHub:
  - https://github.com/aws-samples/amazon-ec2-mac-getting-started
- Check out our tutorials on YouTube:
  - Search for “Amazon EC2 Mac tech tutorials”
- Additional Amazon EC2 Mac sessions at re:Invent

© 2021, Amazon Web Services, Inc. or its affiliates. All rights reserved.

The workshop

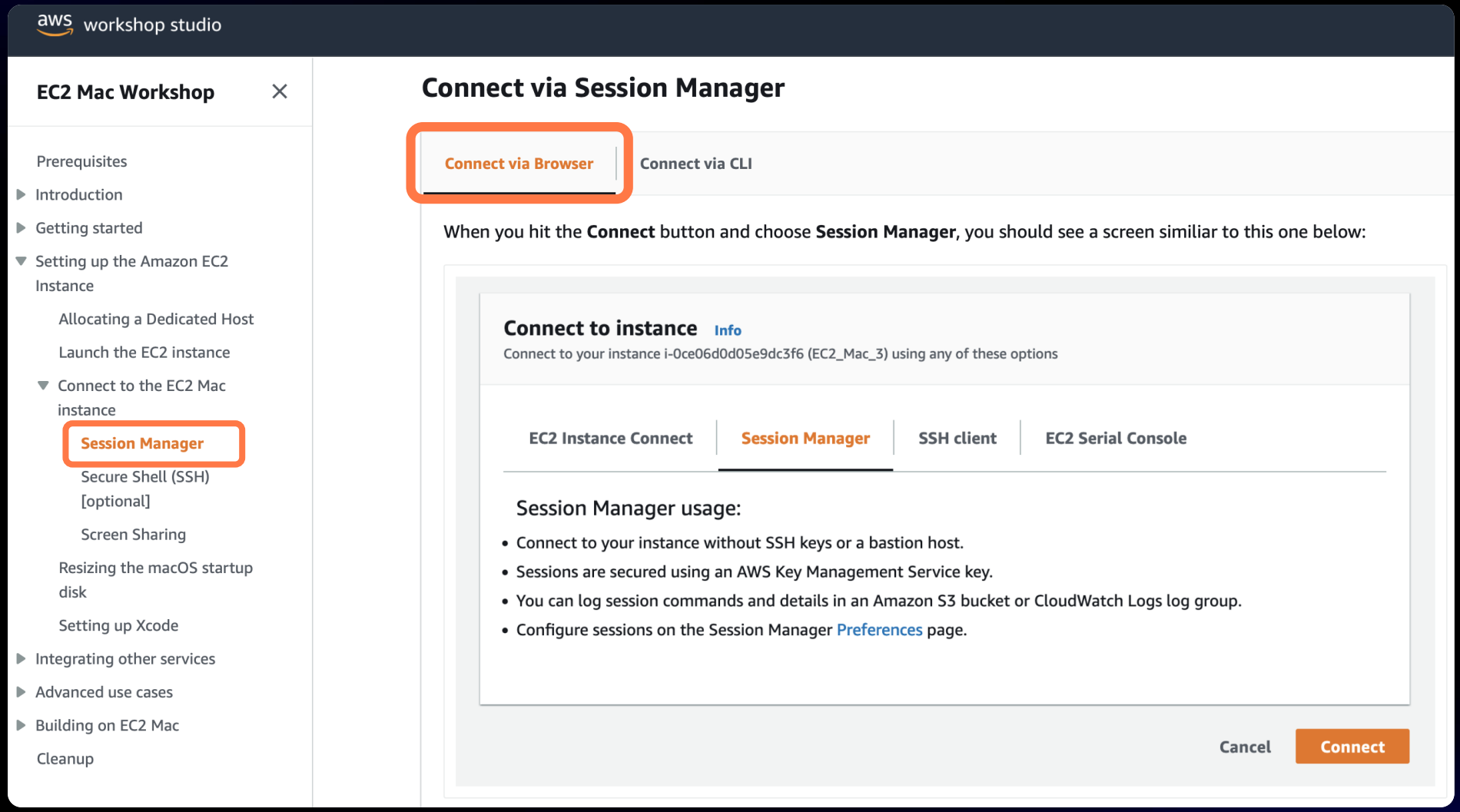
© 2021, Amazon Web Services, Inc. or its affiliates. All rights reserved.

Run through the workshop on your own pace



© 2021, Amazon Web Services, Inc. or its affiliates. All rights reserved.

Content in tabs provide alternative paths



© 2021, Amazon Web Services, Inc. or its affiliates. All rights reserved.

New features we are exploring

- Better support to **run the workshop on Windows**
- **Amazon EKS Anywhere support** to develop and test Kubernetes workloads
- Usage of **hardened macOS Amazon Machine Images (AMIs)**

© 2021, Amazon Web Services, Inc. or its affiliates. All rights reserved.

Feedback

Send a short email with

- Your **thoughts**
- **Bugs** you might have encountered
- **New features** you are interested in
- Or simply **anything else**

We love to hear from you!

amazon-ec2-mac-workshop-feedback@amazon.com

© 2021, Amazon Web Services, Inc. or its affiliates. All rights reserved.

Let’s get started

1. Enter the **workshop URL** in a browser:

   https://tiny.amazon.com/EC2-Mac-Workshop

2. Select “Start with AWS Event Engine” with event hash code:

   cca1-1fc2ddf6f4-91

3. Provide feedback – love to hear from you!

   amazon-ec2-mac-workshop-feedback@amazon.com

aws

© 2021, Amazon Web Services, Inc. or its affiliates. All rights reserved.

Thank you!

Markus Weyerhaeuser
weyerhae@amazon.de

Scott Malkie
malkie@amazon.com

© 2021, Amazon Web Services, Inc. or its affiliates. All rights reserved.