

Module 11 – Evaluate the benefits of building a web application with a serverless approach.

Module 12 – Review how Amazon Cognito controls user access to AWS resources.

Lab 6 – Create an Amazon Cognito solution that provides users access to a web application.

Module 13 – Identify AWS services and features used in the deployment of web applications.

Module objectives

By the end of this module, you will be able to:

- Identify risks associated with traditional software development practices
- Describe how DevOps addresses risks associated with traditional software development practices
- Configure an AWS Serverless Application Model (AWS SAM) template to deploy a serverless application
- Describe various AWS SAM deployment strategies



© 2022, Amazon Web Services, Inc. or its affiliates. All rights reserved.

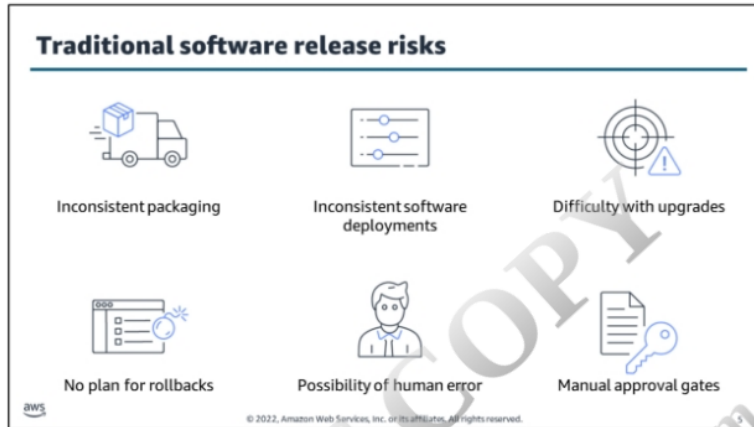
5

Deployment planning and practices

Module 13: Deploying Your Application



© 2022, Amazon Web Services, Inc. or its affiliates. All rights reserved.



Unless software is consistently built by the same system, the packaging probably will not be consistent. This is especially true if software is built on developer laptops. Similarly, the lack of an official deployment mechanism can also cause issues with consistency. Both of these factors make upgrades and rollbacks difficult and problematic.

Any process that is not automated and must be performed manually by a human is prone to error. Also, a non-automated approval process can slow down deployments.

Continuously improve – Thoughtful metrics help teams monitor their progress, evaluate their processes and tools, and work toward common goals and continuous improvement.



Printed by: sameersheik68@gmail.com. Printing is for personal, private use only. No part of this book may be reproduced or transmitted without publisher's prior permission. Violators will be prosecuted.

Printed by: sameersheik68@gmail.com. Printing is for personal, private use only. No part of this book may be reproduced or transmitted without publisher's prior permission. Violators will be prosecuted.

Printed by: sameersheik68@gmail.com. Printing is for personal, private use only. No part of this book may be reproduced or transmitted without publisher's prior permission. Violators will be prosecuted.

Printed by: sameersheik68@gmail.com. Printing is for personal, private use only. No part of this book may be reproduced or transmitted without publisher's prior permission. Violators will be prosecuted.

Printed by: sameersheik68@gmail.com. Printing is for personal, private use only. No part of this book may be reproduced or transmitted without publisher's prior permission. Violators will be prosecuted.



Printed by: sameersheik68@gmail.com. Printing is for personal, private use only. No part of this book may be reproduced or transmitted without publisher's prior permission. Violators will be prosecuted.



Printed by: sameersheik68@gmail.com. Printing is for personal, private use only. No part of this book may be reproduced or transmitted without publisher's prior permission. Violators will be prosecuted.

Printed by: sameersheik68@gmail.com. Printing is for personal, private use only. No part of this book may be reproduced or transmitted without publisher's prior permission. Violators will be prosecuted.

AWS Training and Certification

Module 13: Deploying Your Application



Printed by: sameersheik68@gmail.com. Printing is for personal, private use only. No part of this book may be reproduced or transmitted without publisher's prior permission. Violators will be prosecuted.

Printed by: sameersheik68@gmail.com. Printing is for personal, private use only. No part of this book may be reproduced or transmitted without publisher's prior permission. Violators will be prosecuted.

Printed by: sameersheik68@gmail.com. Printing is for personal, private use only. No part of this book may be reproduced or transmitted without publisher's prior permission. Violators will be prosecuted.

Printed by: sameersheik68@gmail.com. Printing is for personal, private use only. No part of this book may be reproduced or transmitted without publisher's prior permission. Violators will be prosecuted.

Printed by: sameersheik68@gmail.com. Printing is for personal, private use only. No part of this book may be reproduced or transmitted without publisher's prior permission. Violators will be prosecuted.

Printed by: sameersheik68@gmail.com. Printing is for personal, private use only. No part of this book may be reproduced or transmitted without publisher's prior permission. Violators will be prosecuted.