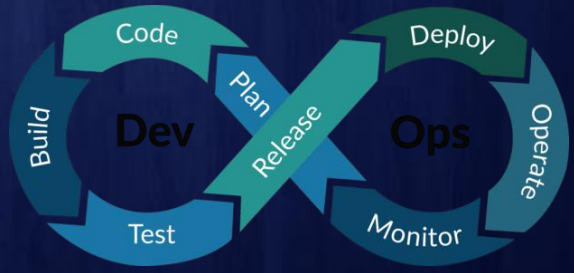
AWS SAA + SysOps + Developer + DevOps Course #Day-10

We will start at 8 AM,
Stay tuned



RAKESH TANINKI
LEARN TO UNLEARN

Recap:

- JSON – Introduction & Usage
- IAM Advanced
  - IAM Policies
    - AWS Managed Policies
    - Inline Policies
    - Customer Managed Policies
- Demos

© Rakesh Taninki

Today's topics:

- IAM Roles
  - Same account role assumption
  - Cross account role assumption
- IAM Roles with EC2
- Cross Account Assume Role using AWS CLI - Demo
- Service linked Role
- Pass Role
- Credentials Report – Demo
- Access Analyzer – Demo
- Demos

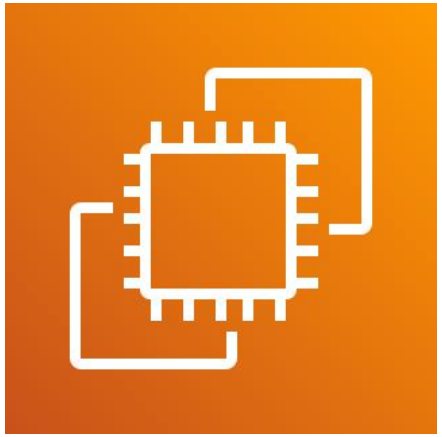
© Rakesh Taninki

Identity based policies

- IAM Policies – to manage permissions of IAM identities – Users, Groups, Roles
- Allow / Deny access to identities – Deny has priority over Allow
- For SAA exam, you should be able to understand the policy

© Rakesh Taninki

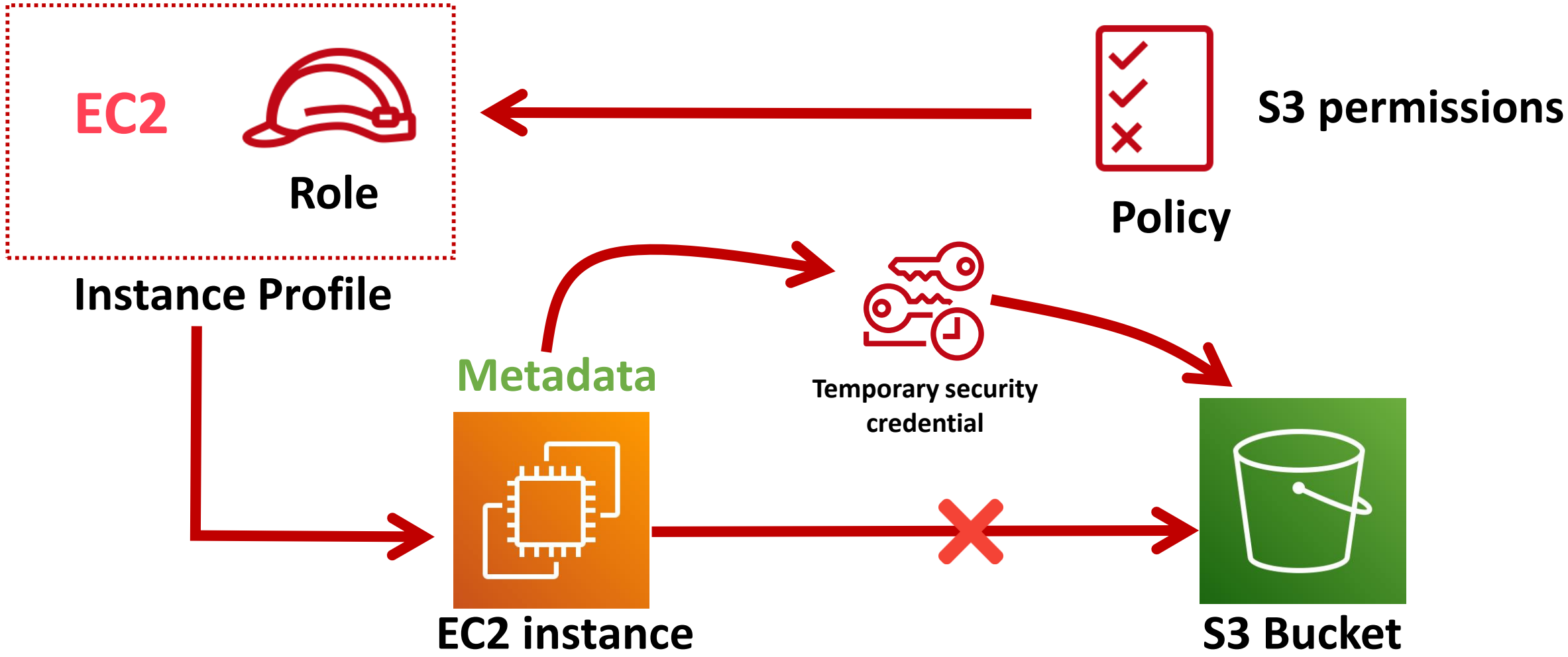
Ref: click here



EC2 Instance Roles

© Rakesh Taninki

EC2 Instance Roles



© Rakesh Taninki

EC2 Instance Roles

- Credentials are inside **metadata**
- http://169.254.169.254/latest/metadata/**iam/security-credentials/role-name**
- Automatically rotated, always valid
- Roles are preferable than IAM access keys
- CLI / SDK tools use role credentials automatically – no configuration needed

© Rakesh Taninki

Demo – IAM Role

- Launch EC2
- Test CLI with “aws s3 ls”
- Attach IAM Role
- Test CLI with “aws s3 ls”
- Check the role credentials in metadata
- Precedence of credentials – click here

© Rakesh Taninki

Demo - Cross Account Assume Role using AWS CLI

© Rakesh Taninki

Thank you, will meet in tomorrow's session

© Rakesh Taninki

© Rakesh Taninki