

IAM and AWS CLI

Uday Manchanda

September 7, 2021

1 IAM

- Users are people within your organization and can be grouped
- Users can be part of multiple groups
- Permissions
 - Users/groups can be assigned JSON documents called policies
 - policies define the permissions of the users
 - least privileged principle

1.1 IAM policies

- if you attach a policy at the group level - all members of the group get those policies
- structure: version, id, statement
- statement consists of: sid, effect, principal, action, resource, condition (optional)

1.2 IAM roles

- Some aws services will need to perform actions on your behalf
- assign permissions to aws services with IAM roles
- common roles: ec2 instance roles, lambda function roles