

Deployment manual

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DEPLOYMENT INSTRUCTIONS

Requirements

These are the host machine requirements in order to perform the system deployment:

- Have an active AWS account and credentials configured in the local machine (via credentials file or environment vars). For instance:

```
AWS_DEFAULT_REGION: us-east-1
AWS_ACCESS_KEY_ID: <ACCESS_KEY_ID>
AWS_SECRET_ACCESS_KEY: <SECRET_ACCESS_KEY>
```

- Local machine must run a Unix / Linux operating system with the following SW available:
 - AWS CLI
 - Docker client
 - jq (bash JSON parser)
- Deploy script will check for required SW, attempting to install it via *apt-get* if not found.

Deploy instructions

Full infrastructure and applications deployment is executed using a single script call, specifying the desired environment to be created. From the project root:

```
~/> ./deploy.sh <training|production>
```

Deploy script will perform the following steps:

- Check SW requirements
- Login to ECR registry and create docker repositories *thoughtworks/companynews* and *thoughtworks/static*
- Build, tag and push *companynews* docker image
- Build, tag and push *static* docker image
- Create S3 *thoughtworks-companynews-code* bucket
- Upload CloudFormation templates to code bucket
- Create required stack from templates
- Wait until stack creation is complete
- Print access URL

After deploy has successfully finished, both CompanyNews app and static files will be ready to use.
