

**Session 1**

# Deploying React App using RSync

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# Deployment with Rsync

- Update your OS server
  - `sudo apt update && sudo apt-get upgrade`
- Install Rsync and Git
  - `sudo apt install rsync`
  - `sudo apt install git`
- Create host directory
  - `sudo mkdir -p /var/www/example.com`
  - `sudo chmod 755 -R /var/www/example.com`
  - `sudo chown -R example_user:www-data /var/www/example.com`

# Deployment with Rsync

- Configure web server

- Modify the root parameter with the path to your site's web root
  - `sudo nano /etc/nginx/sites-available/simple-app.com`

- Nginx :

```
server {  
    listen 80;  
    listen [::]:80;  
  
    root /var/www/example.com; ## Modify this line  
    index index.html index.htm;  
  
}
```

- Restart web server :

- `sudo nginx -t`
- `sudo systemctl restart nginx`

# Deployment with Rsync

- Create a simple React App
- In the your app create modify your *package.json* with this script :

```
1  "scripts": {  
2    "start": "react-scripts start",  
3    "build": "react-scripts build",  
4    "transfer": "rsync -avP build/ example_user@example.com:/var/www/example.com/",  
5    "deploy": "npm run build && npm run transfer",  
6    "test": "react-scripts test",  
7    "eject": "react-scripts eject"  
8  }
```

- run app with : `npm run deploy`
- Execute this process on Linux OS or WSL at Windows

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