

# DOCKER

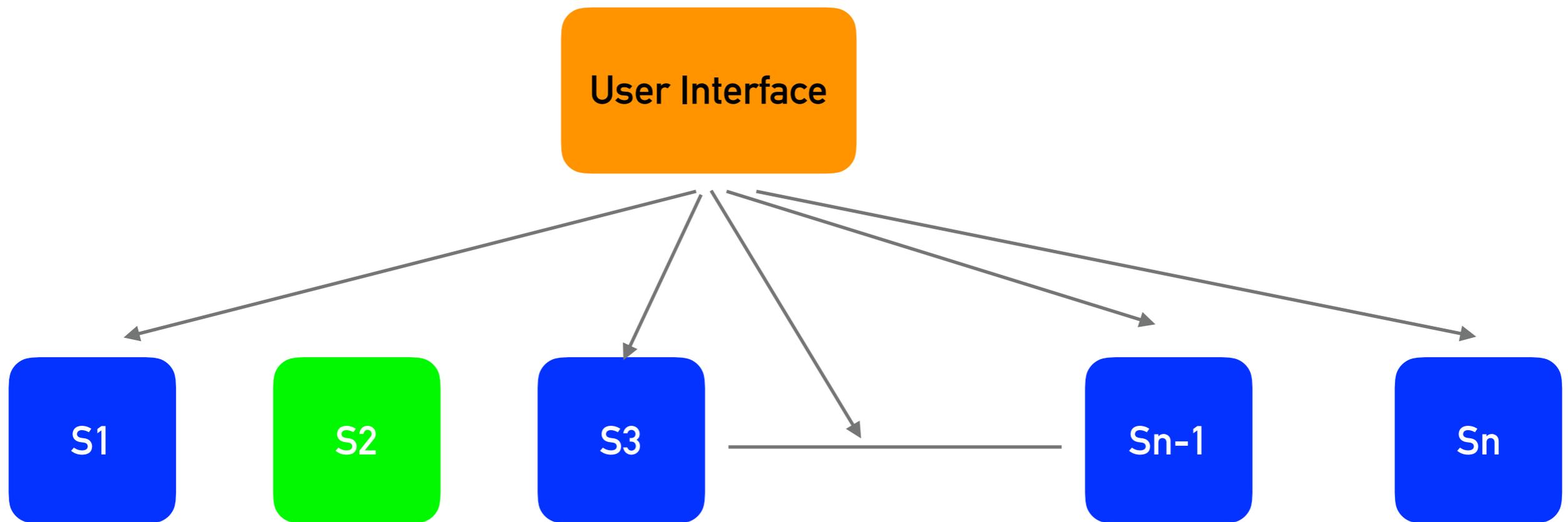
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*Zero-Downtime Service Upgrade*

## *Docker : Docker Swarm*

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- Swarm Help us to Limit the Downtime in Service Update/ Upgrade.
- It's all become possible with Rolling Upgrade Approach.



- Service Upgrade Provides rolling upgrade of replicas/containers with Zero-downtime.
- Service Upgrade Replace Containers in practical
- Some examples of Service Upgrade
- Enhance the Version of your Deployed Service  
`docker service update --image <Imagename>  
<servicename>`

➤ Swarm Update in Stack File

➤ Edit YML file and deploy the same file

```
docker stack deploy -c <yml file> <servicename>
```

➤ Start Some NGINX Service on some port

```
docker service create -p 80:8080 - -name <service_name>  
<nginx Image: version>
```

➤ Scale service Horizontally

```
docker service scale <servicename> = <number of replicas>
```

➤ Enhance Deployed Image Version

```
docker service update --image <Nginximage:version>  
<servicename>
```

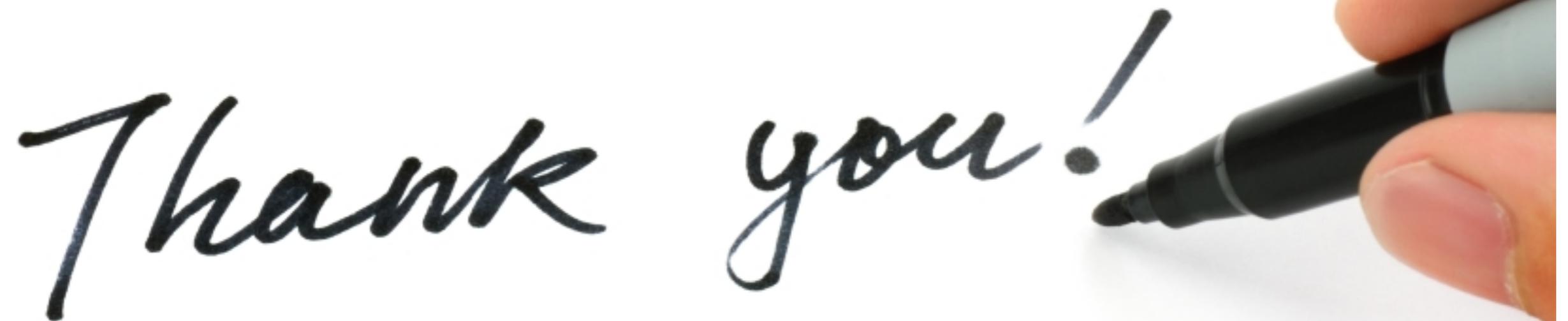
➤ Change Port of running service

```
docker service update --publish-rm <old_port> --publish-  
add <new_port>:80
```

*Will see you in Next Lecture...*

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*Thank you!*

A close-up photograph of a hand holding a black marker, writing the words 'Thank you!' in a cursive script on a white surface. The hand is positioned on the right side of the frame, with the marker tip touching the paper. The background is plain white.

*See you in next lecture ...*