

RPTO

Recovery Point Objective (RPO)

- How much data you can afford to lose?
- How much data will be lost when a disaster happens?

Backup/Replication Schedule	RPO
Daily – Everyday 10 PM	24 Hours / 1 Day
Weekly – Every Sunday 10 PM	1 week
Monthly – Last day of the month	1 month

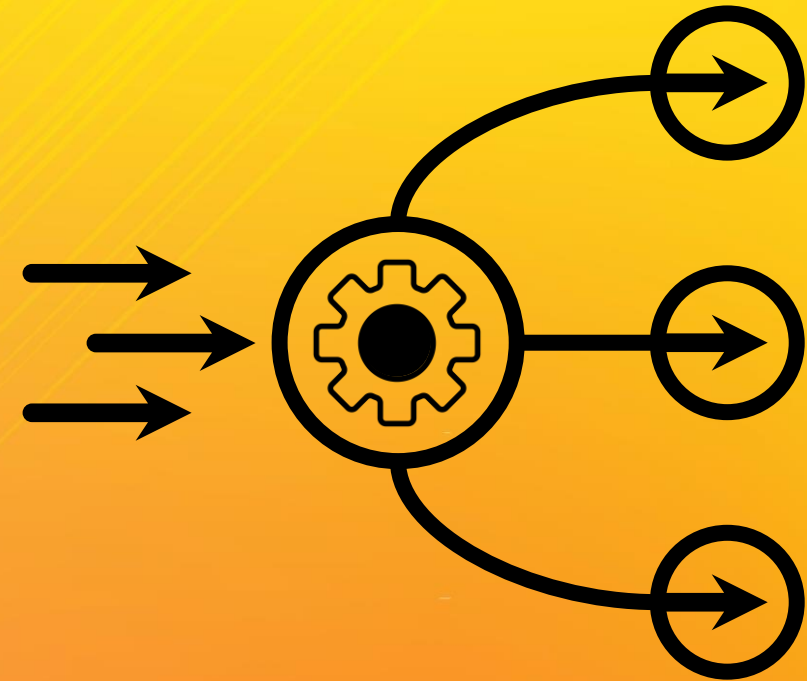
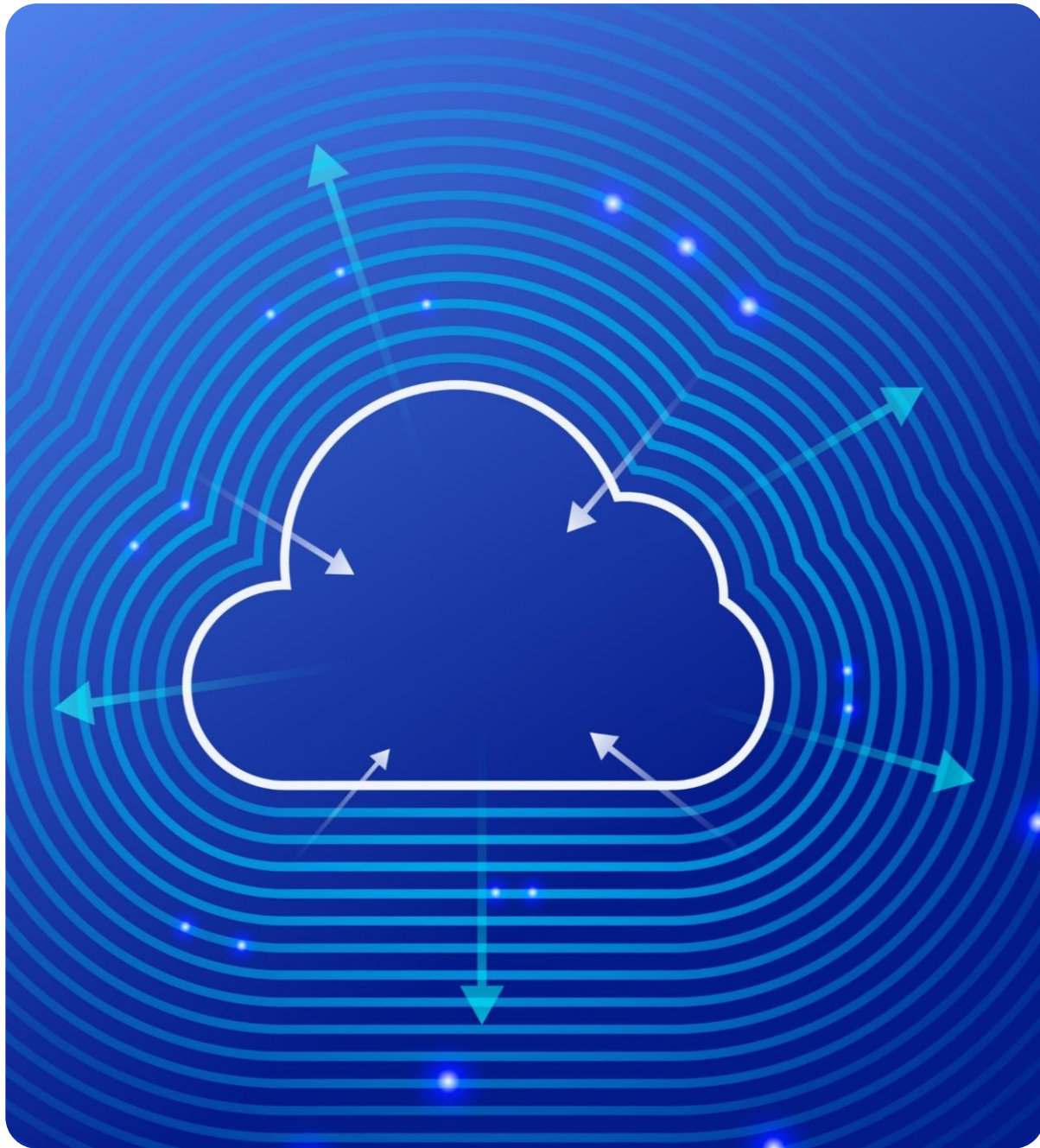
Recovery Time Objective (RTO)

- After a wheel failure, if you have a spare wheel you may be able to replace the faulty wheel and you will be on track again in few minutes.
 - RTO = Few minutes



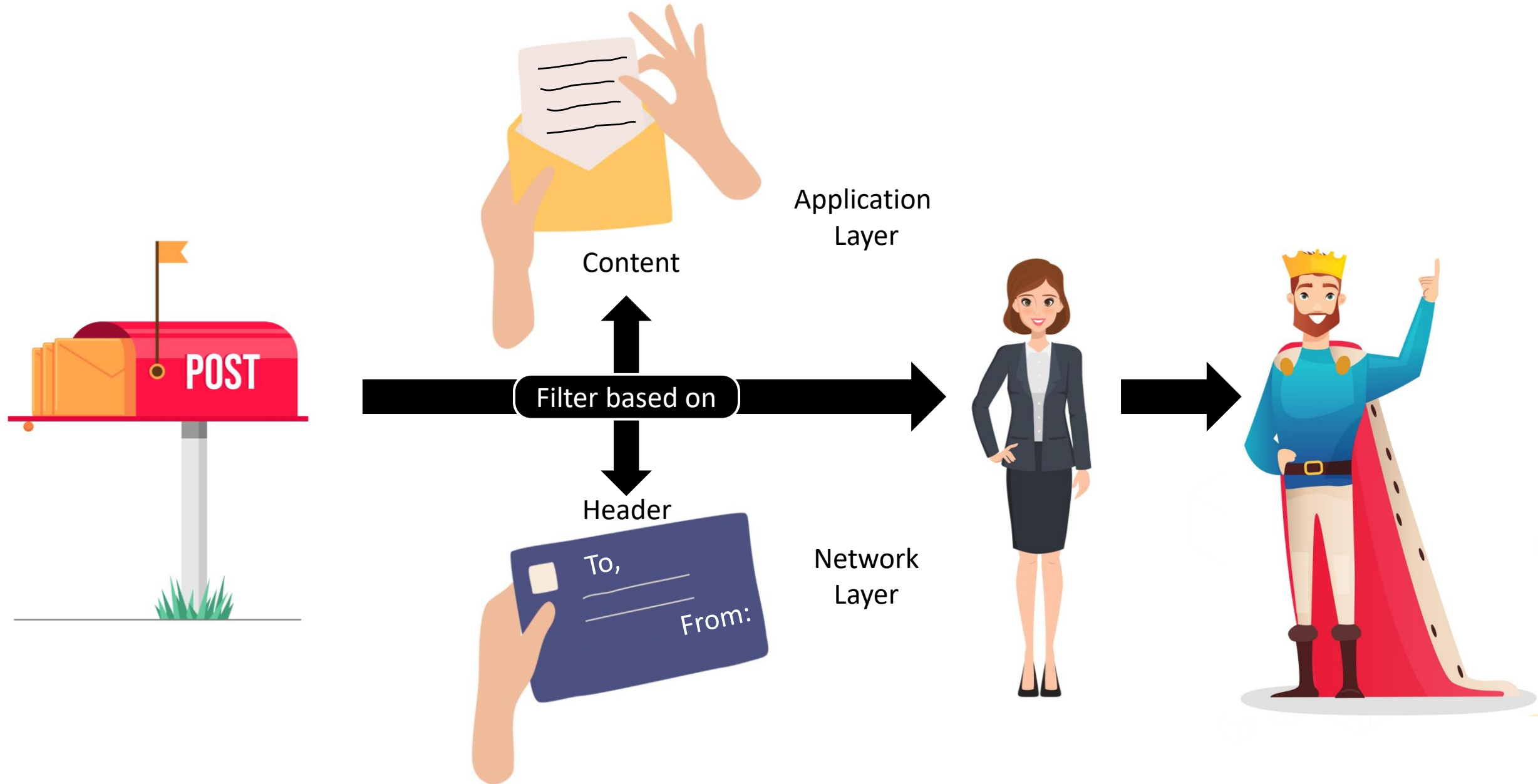
- If you do not have a spare wheel you may need more time
 - RTO = Few Hours

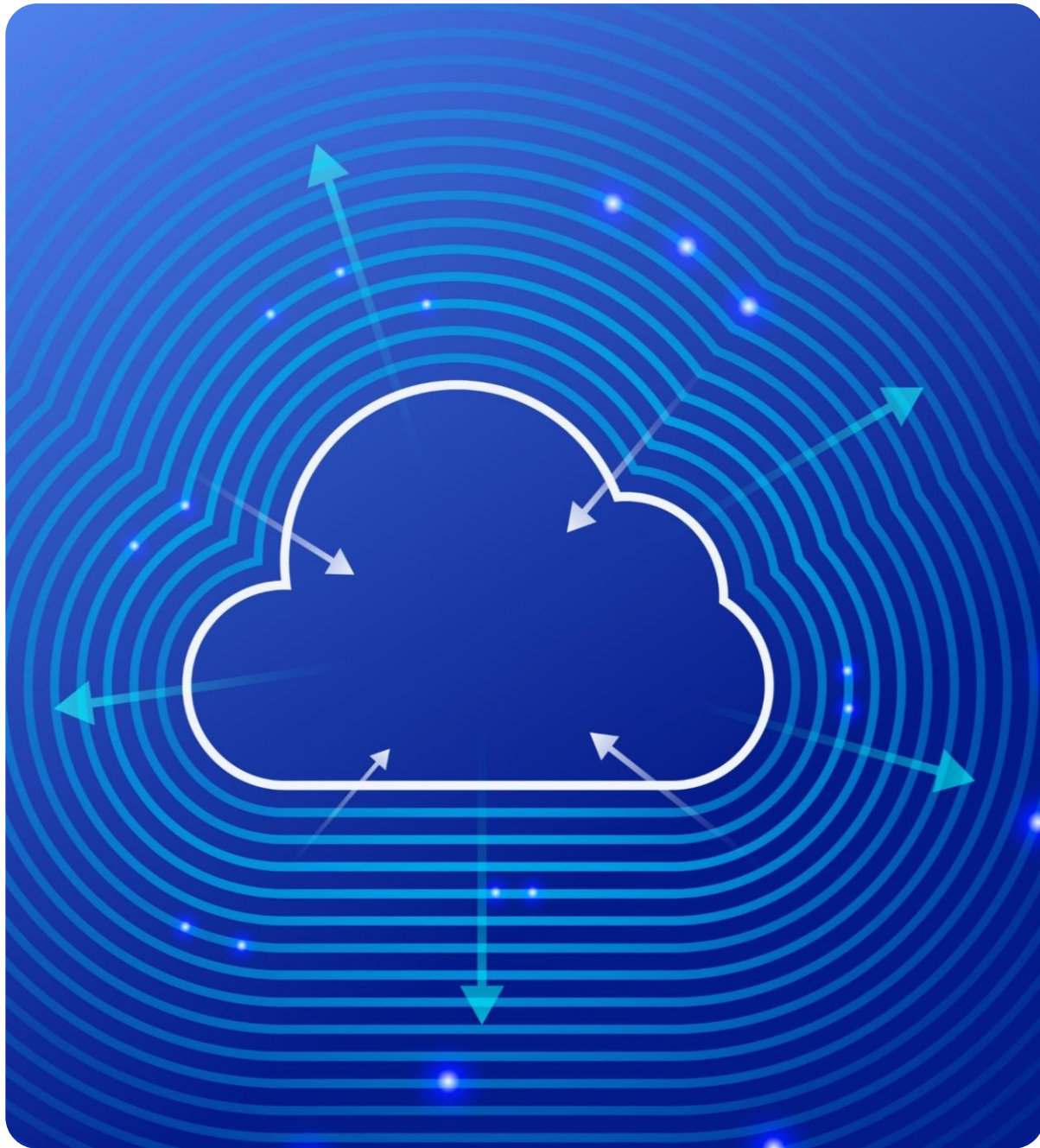




Load Balancing

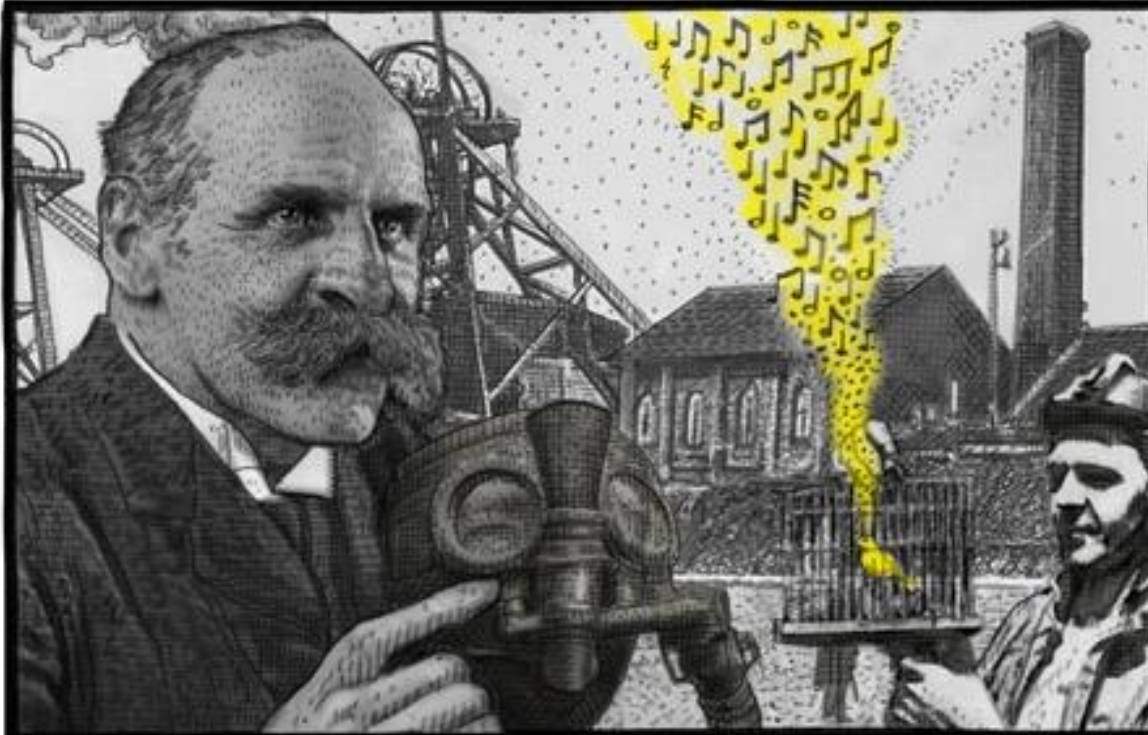
Delivering letter to a king



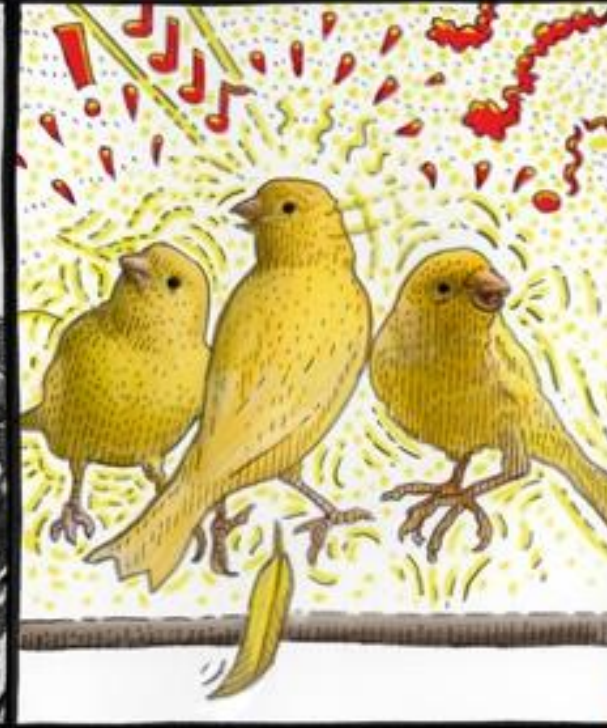


Canary Deployment

Canaries in the Coal Mine



The physiologist J.S. Haldane self-experimented with gasses, he realised that miners were dying from undetected carbon monoxide. In 1911 he proposed using canaries to detect the gas, a tradition ended in 1986.

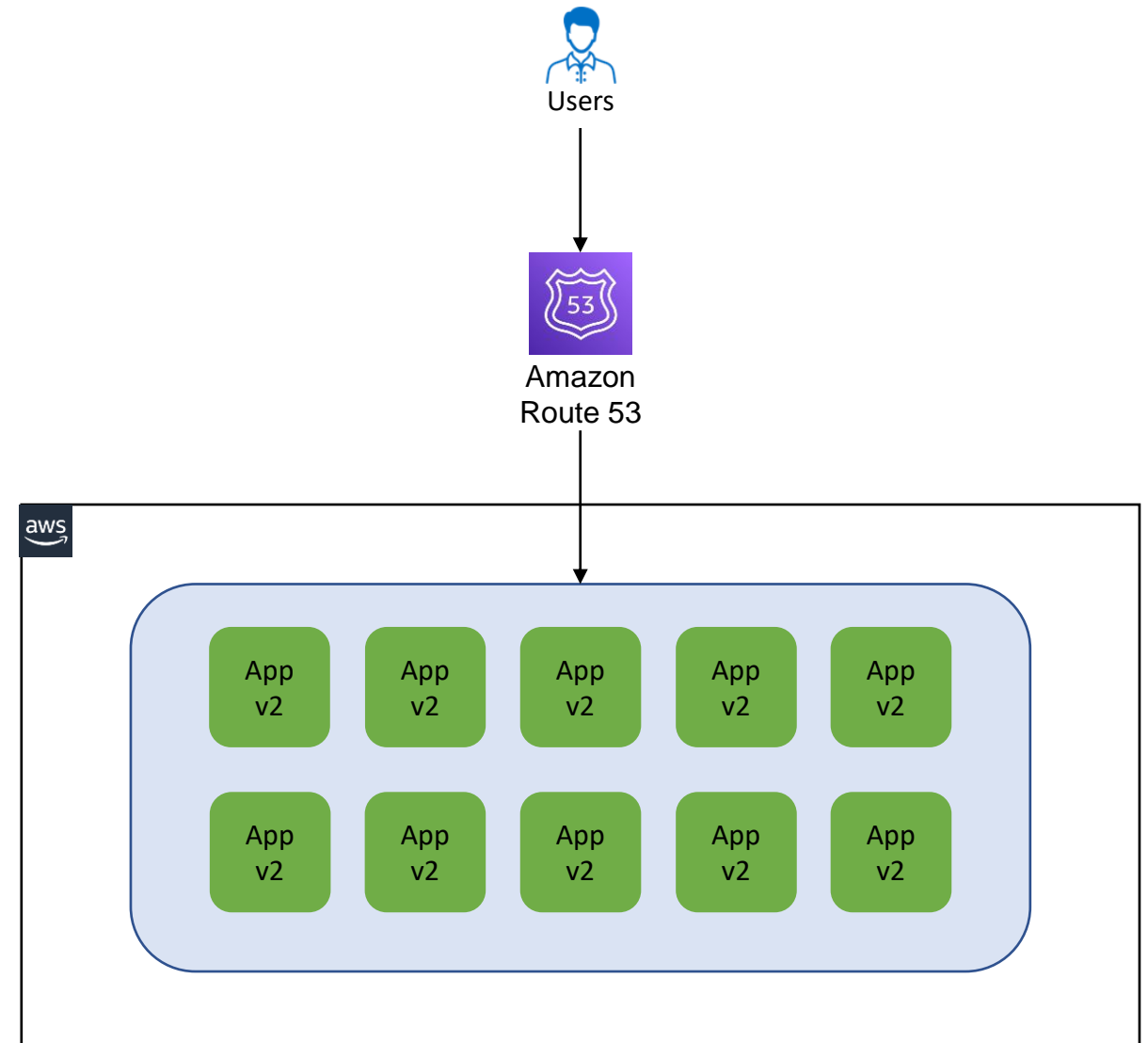
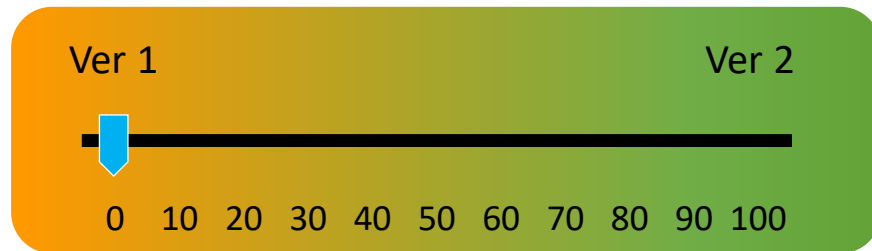


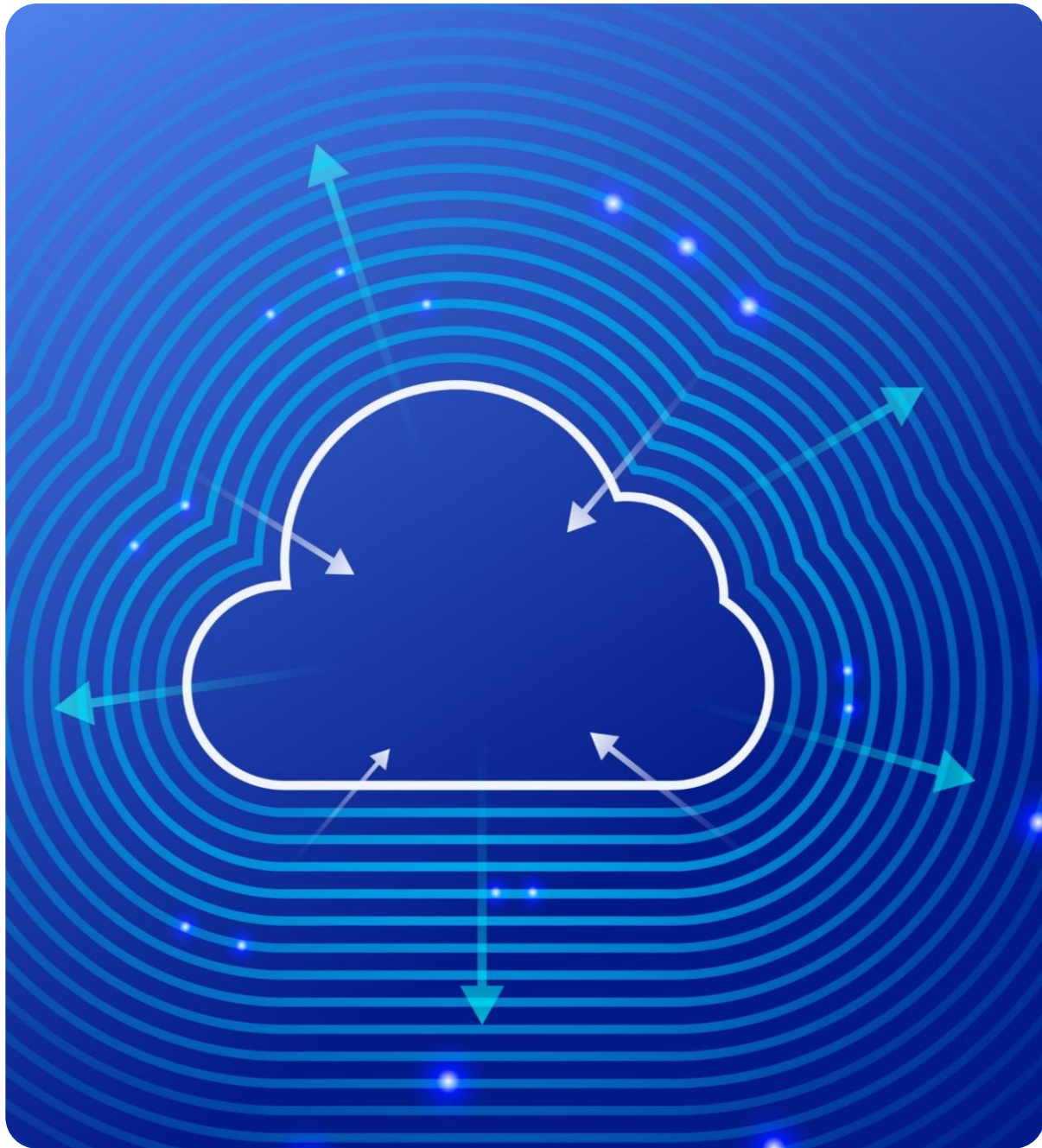
Small with a faster oxygen-burning metabolism, canaries become agitated and faint well before humans.



The canary in the coalmine is a warning of the presence of danger. the siren that announces the end is nigh.




Canary Release/Deployment





Autoscaling in AWS

Autoscaling in AWS

	<div></div> <div>Amazon EC2 Auto Scaling</div> <div>(Launched in 2009)</div>	<div></div> <div>AWS Auto Scaling</div> <div>(Launched in 2016)</div>	<div></div> <div>AWS Application Auto Scaling</div> <div>(Launched in 2018)</div>
What?	Focus on Amazon EC2 Instance Auto Scaling	Build scaling plans for application scaling for multiple resources across multiple services	Automatically scaling resources for individual AWS services beyond Amazon EC2
How?	Automatically add or remove EC2 instances according to conditions you define in an ASG.	Automatically discover scalable resources in your application and configure scaling for all the resources in a single place using predefined guidance or configure it individually.	Through a scaling plan you can track specific CloudWatch metrics and use AWS CloudFormation templates for custom resource.
Which?	<ul style="list-style-type: none">Amazon EC2 Instances	<ul style="list-style-type: none">Amazon EC2Amazon EC2 Spot FleetsAmazon ECSAmazon DynamoDBAmazon Aurora	<ul style="list-style-type: none">AppStream 2.0 fleetsAmazon EMR clustersAmazon Neptune clustersSageMaker endpoint variantsCustom ResourcesAnd many more...



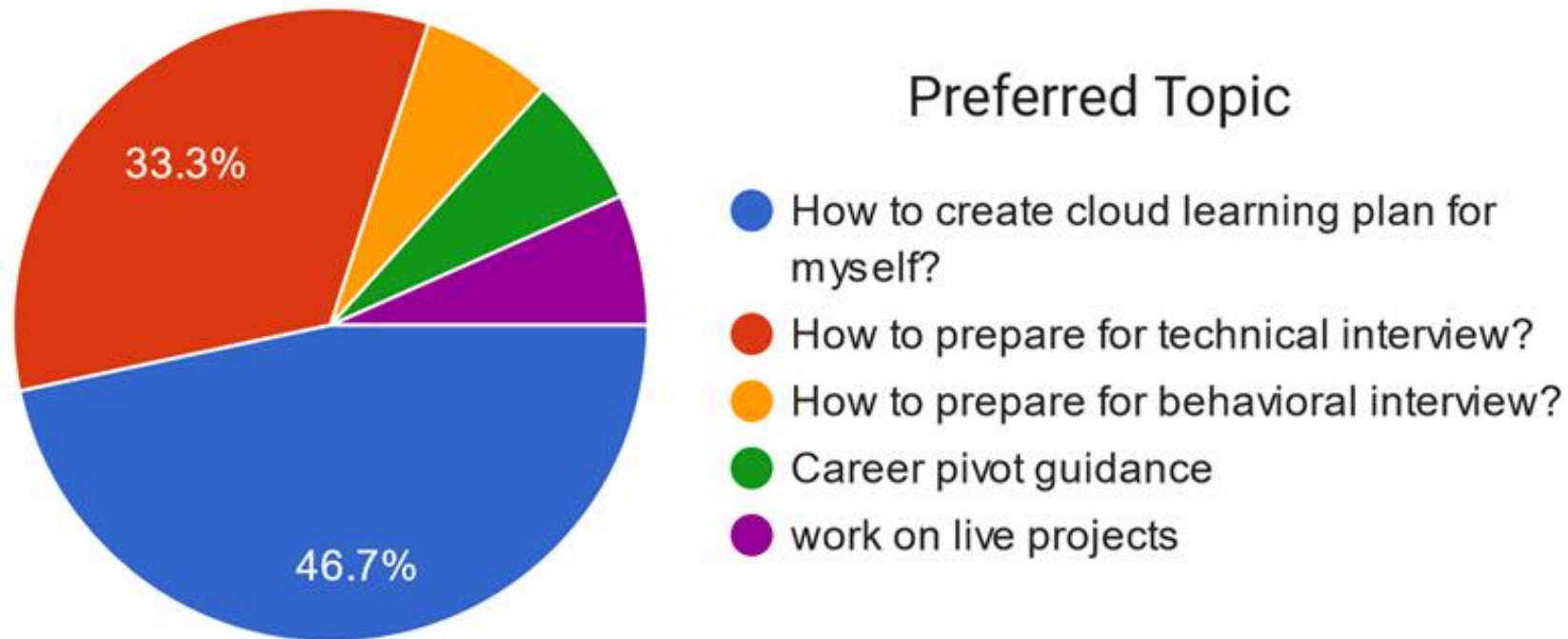
The Starter Kit equips you with tools and resources to transform and advance your career within 6 to 12 months.

- 6 months Whizlabs Access
- 6 months Pluralsight Access
- Monthly group mentoring session
- Other resources

<https://cloudcareerjourneys.com/>

Tentative Agenda:

- How to get the maximum benefit from Starter-Kit? (15 mins)
- Main Topic - to be decided based on the responses (45 mins)
- Q&A - questions gathered via form and Live Q&A on career guidance (30 mins)



1st June



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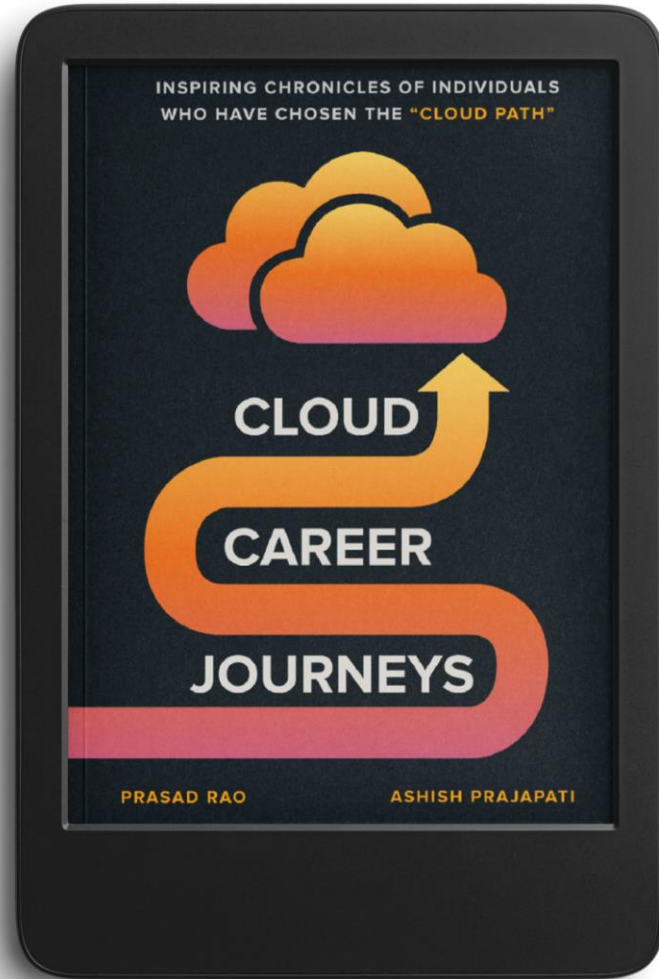
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Giveaways



Limited to first 50 buyers

- 50% discount on – Cloud Career Journeys – eBook
- 50% discount on – Cloud Career Journeys – Starter Kit
 - (QR Code displayed at the end of the session)



Weekly Giveaways (Selection based on engagement)

- 1 x Cloud Career Journeys – eBook
- 10 x Whizlabs Sandbox Access for 3 months



12th Week Giveaways (Selection from regular participants)

- 10 x Whizlabs Premium Plus Subscription for 12 months

Week 06 Winners

Cloud Career Journey <u>ebook</u>	<ul style="list-style-type: none">• <u>Dinesh Ukate</u>
<u>Whizlabs</u> 3 months AWS Sandbox Access	<ul style="list-style-type: none">• <u>Andriy Chemyrta</u>• <u>Kumar Satyam</u>• <u>Vandana Sharma</u>• <u>Agnes Nduta</u>• <u>DigiBodh</u>• <u>Asna Khader</u>• Pd L• <u>Vinisha Mathur</u>• Aries Ash• <u>Ruth Cheroqony</u>