

AWS Certified Cloud Practitioner
Training Bootcamp

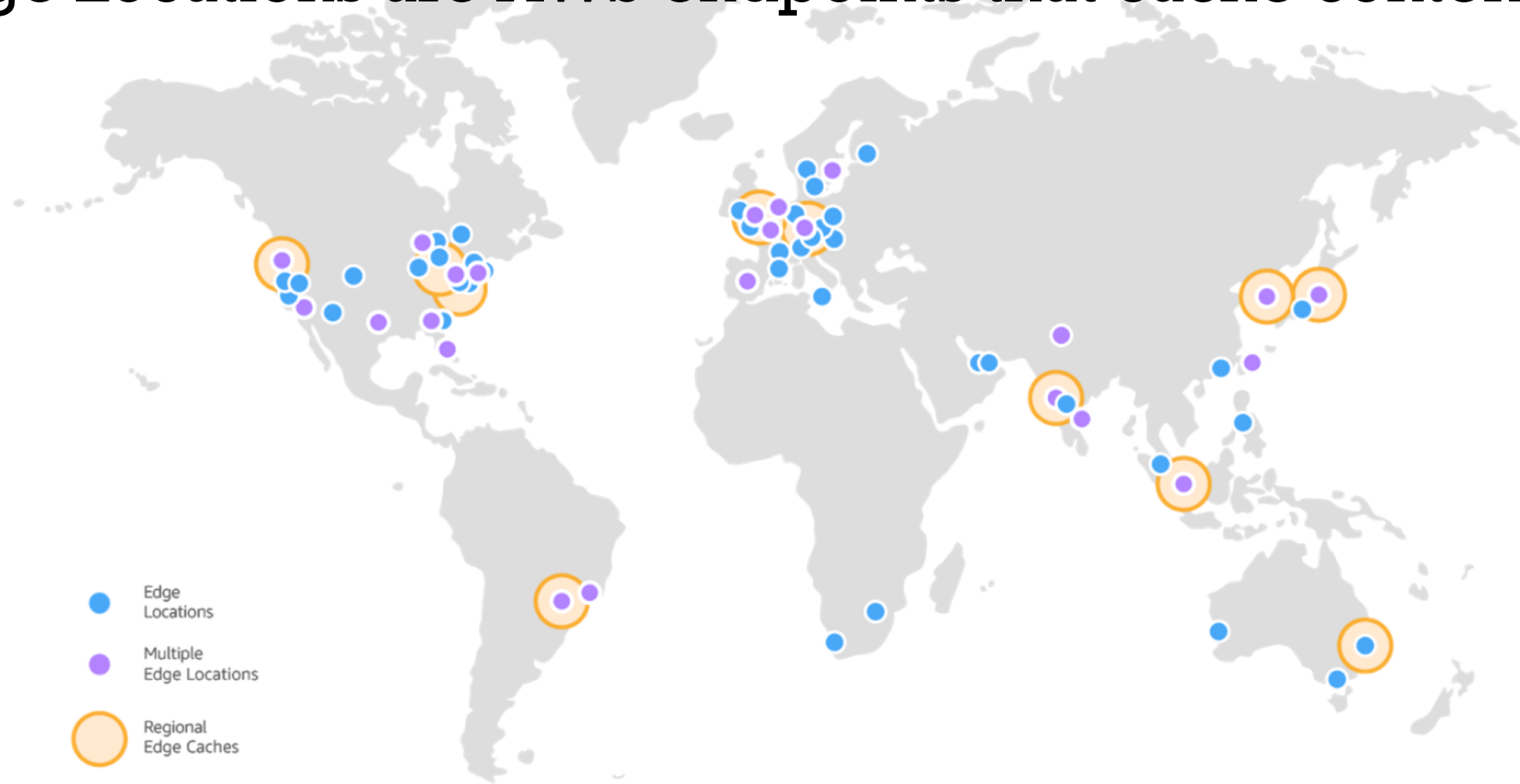
CloudFront Basics 101

What is CloudFront ?

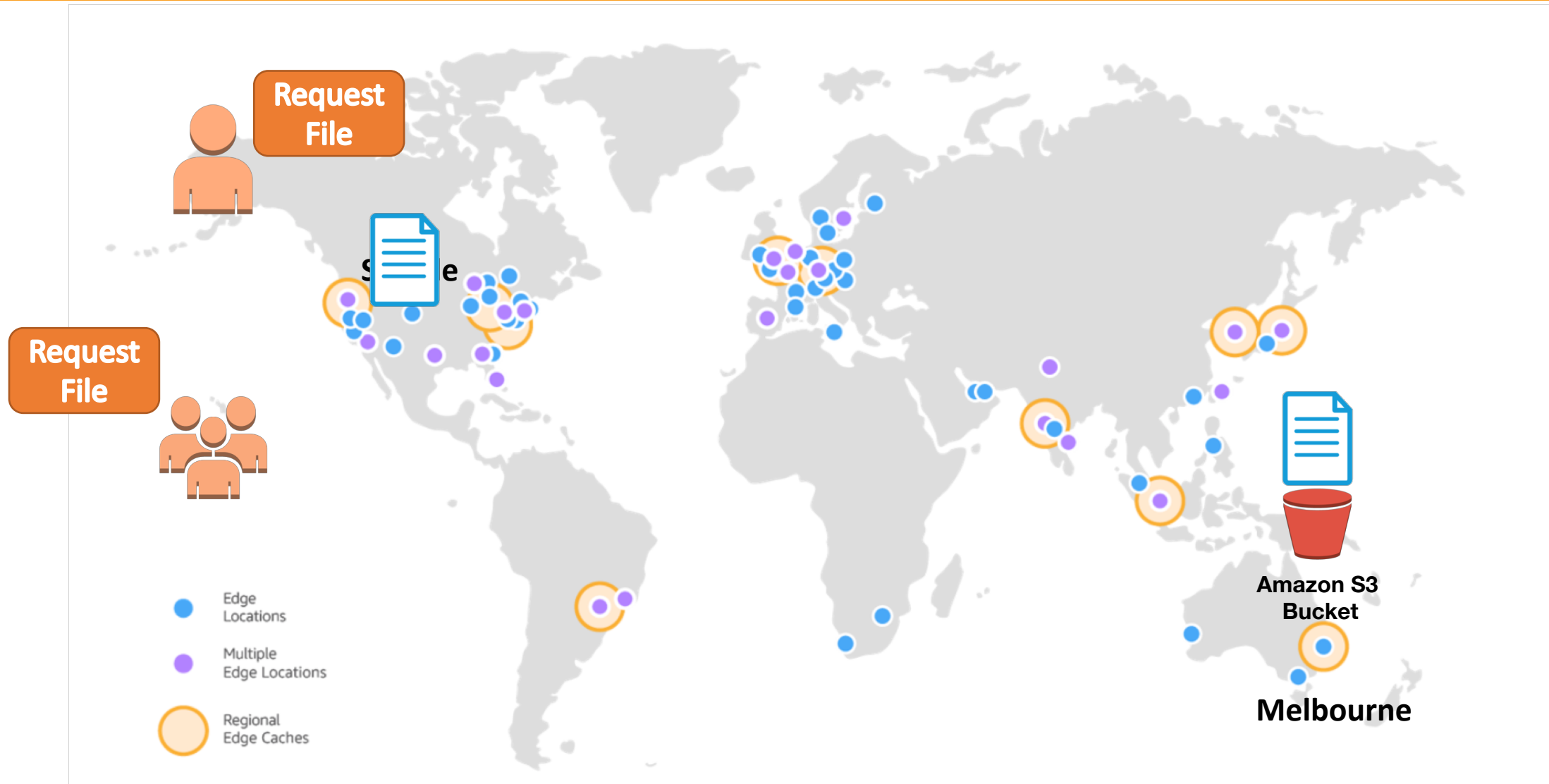
- Amazon CloudFront is a web service that speeds up distribution of your static and dynamic web content, to your users
- CloudFront delivers your content through a worldwide network of data centers called *edge locations*
- When a user requests content that you're serving with CloudFront, the user is routed to the edge location that provides the lowest latency, so that content is delivered with the best possible performance

AWS CDN Overview

- Edge Locations are AWS endpoints that cache content locally



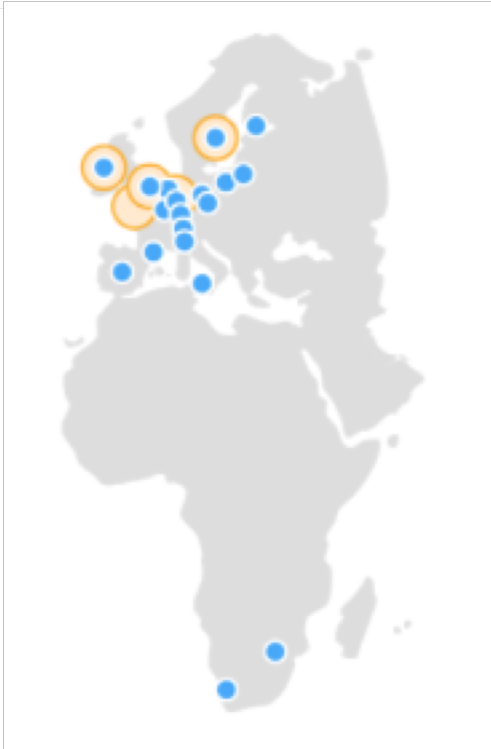
AWS CDN Example



AWS Edge Locations

- More information is available following the URL:
<https://aws.amazon.com/about-aws/global-infrastructure/>

Europe / Middle East / Africa



AWS Edge Network Locations

Edge locations - Amsterdam, The Netherlands (2); Berlin, Germany (2); Cape Town, South Africa; Copenhagen, Denmark; Dubai, United Arab Emirates; Dublin, Ireland; Frankfurt, Germany (8); Fujairah, United Arab Emirates; Helsinki, Finland; Johannesburg, South Africa; London, England (9); Madrid, Spain (2); Manchester, England; Marseille, France; Milan, Italy; Munich, Germany (2); Oslo, Norway; Palermo, Italy; Paris, France (5); Prague, Czech Republic; Stockholm, Sweden (3); Vienna, Austria; Warsaw, Poland; Zurich, Switzerland

Regional Edge Caches - Frankfurt, Germany; London, England

Edge Locations vs Regional Edge Caches

- CloudFront helps you deliver your web content faster to your end users, thus providing a better user experience
- CloudFront Edge Locations bring the web content closer to your viewers and make sure that popular content can be served quickly
- CloudFront Regional Edge Caches really help when the content is not popular enough to stay at a CloudFront Edge Location and improve delivery performance for that content

CloudFront Pricing

- Free Tier (each month for 1 year):
 - 50 GB of data transfer out
 - 2,000,000 HTTP or HTTPS requests
- On-demand - per month:

Regional Data Transfer Out to Internet (per GB)

Per Month	United States & Canada	Europe	South Africa & Middle East	Japan	Australia	Singapore, South Korea, Taiwan, Hong Kong, & Philippines	India	South America
First 10TB	\$0.085	\$0.085	\$0.110	\$0.114	\$0.114	\$0.140	\$0.170	\$0.250

- <https://aws.amazon.com/cloudfront/pricing/>

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Thank you