

HISTORY OF AWS

HISTORY

- The AWS platform was launched in July 2002
- Then in late 2003, the AWS concept was publicly reformulated when Chris Pinkham and Benjamin Black presented a paper describing a vision for Amazon's retail computing infrastructure that was completely standardized, completely automated, and would rely extensively on web services for services such as storage and would draw on internal work already underway. Near the end of their paper, they mentioned the possibility of selling access to virtual servers as a service, proposing the company could generate revenue from the new infrastructure investment.
- In November 2004, the first AWS service launched for public usage: Simple Queue Service (SQS)
- Thereafter Pinkham and lead developer Christopher Brown developed the Amazon EC2 service, with a team in Cape Town, South Africa.

HISTORY

- Amazon Web Services was officially re-launched on March 14, 2006, combining the three initial service offerings of Amazon S3 cloud storage, SQS, and EC2.
- To support industry-wide training and skills standardization, AWS began offering a certification program for computer engineers, on April 30, 2013, to highlight expertise in cloud computing.
- In January 2018, Amazon launched an autoscaling service on AWS.
- In November 2018, AWS announced customized ARM cores for use in its servers.
- In November 2018, AWS is developing ground stations to communicate with customer's satellites

GROWTH AND PROFITABILITY

- In November 2010, it was reported that all of Amazon.com's retail sites had migrated to AWS.
- In April 2015, Amazon.com reported AWS was profitable, with sales of \$1.57 billion in the first quarter of the year and \$265 million of operating income.
- In 2016 Q1, revenue was \$2.57 billion with net income of \$604 million, a 64% increase over 2015 Q1 .
- In the first quarter of 2016, Amazon experienced a 42% rise in stock value as a result of increased earnings, of which AWS contributed 56% to corporate profits.
- AWS had \$17.46 billion in annual revenue in 2017.
- By end of 2018 the number had grown to \$25.65 billion

CUSTOMER BASE

- On March 14, 2006, Amazon said in a press release: "More than 150,000 developers have signed up to use Amazon Web Services since its inception."
- In November 2012, AWS hosted its first customer event in Las Vegas.
- On May 13, 2013, AWS was awarded an Agency Authority to Operate (ATO) from the U.S. Department of Health and Human Services under the Federal Risk and Authorization Management Program.
- In October 2013, it was revealed that AWS was awarded a \$600M contract with the CIA.
- During August 2014, AWS received Department of Defense-Wide provisional authorization for all U.S. Regions.
- During the 2015 re:Invent keynote, AWS disclosed that they have more than a million active customers every month in 190 countries, including nearly 2,000 government agencies, 5,000 education institutions and more than 17,500 nonprofits.

CUSTOMER BASE

- On April 5, 2017, AWS and DXC Technology (formed from a merger of CSC and HPE's Enterprise Services Business) announced an expanded alliance to increase access of AWS features for enterprise clients in existing data centers.
- Notable customers include NASA, the Obama presidential campaign of 2012, and Netflix.
- In 2019 it was reported that more than 80 % of Germany's listed DAX companies use AWS
- In August 2019, the U.S. Navy said it moved 72,000 users from six commands to an AWS cloud system as a first step toward pushing all of its data and analytics onto the cloud.