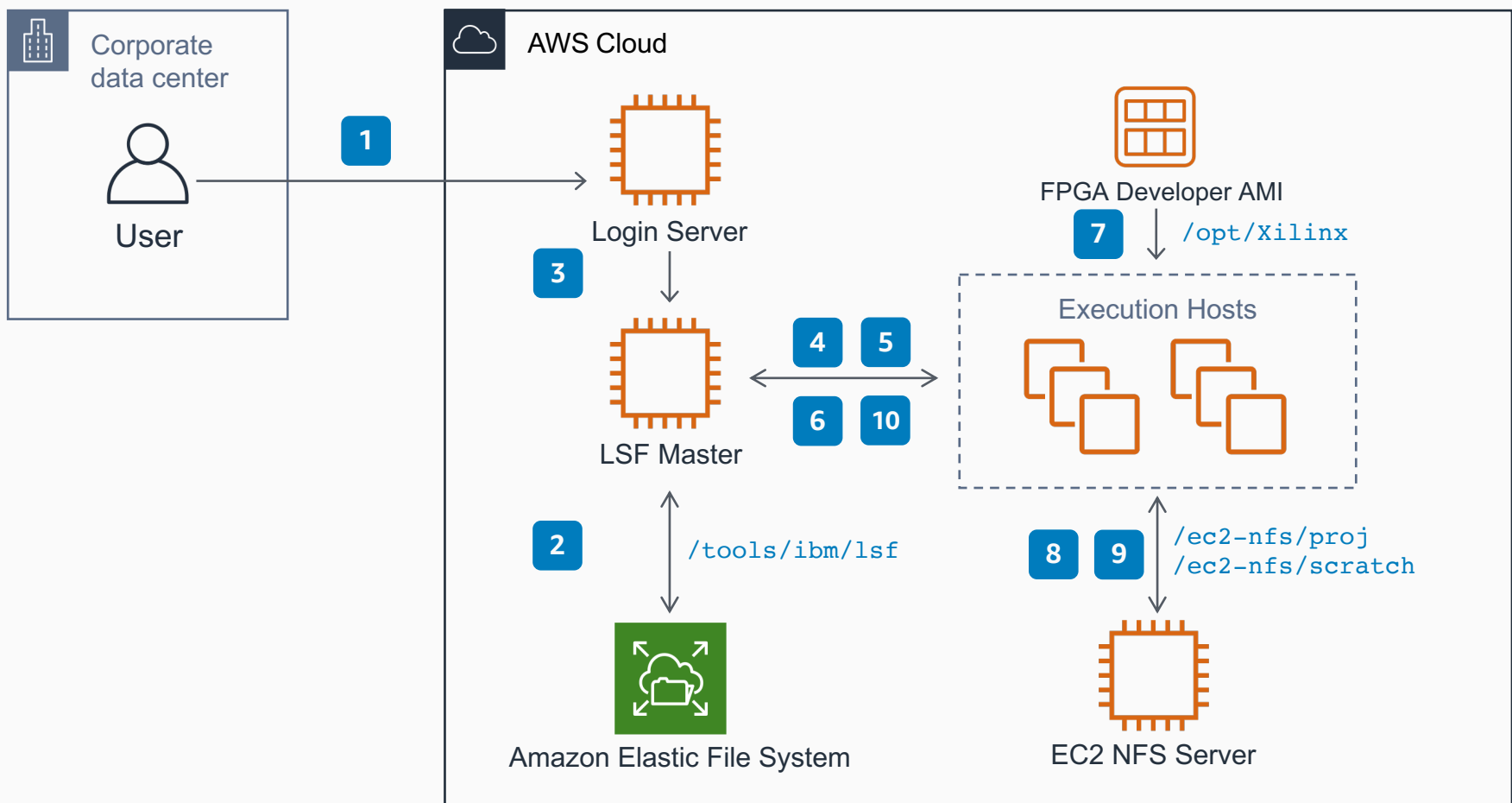


# EDA on AWS with IBM Spectrum LSF

## Running EDA workloads on AWS with LSF Resource Connector

Workshop location is on AWS Samples:

<https://github.com/aws-samples/aws-eda-workshops/blob/master/workshops/eda-workshop-lsf>



- 1 User logs into the login server from from within the corporate network.
- 2 IBM Spectrum LSF binaries, configuration, and logs are read from and written to Amazon EFS.
- 3 User submits simulation jobs from the login server.
- 4 IBM Spectrum LSF provisions Amazon EC2 instances to satisfy workload in the queue.
- 5 Provisioned Amazon EC2 instances join the cluster as dynamic execution hosts.
- 6 Jobs are dispatched to new execution hosts.
- 7 Jobs load pre-licensed Xilinx Vivado Design Suite from FPGA Developer AMI.
- 8 Vivado loads example IP and design from /ec2-nfs/proj
- 9 Vivado writes job runtime data and results to /ec2-nfs/scratch
- 10 Amazon EC2 instances are terminated by LSF after jobs finish.

