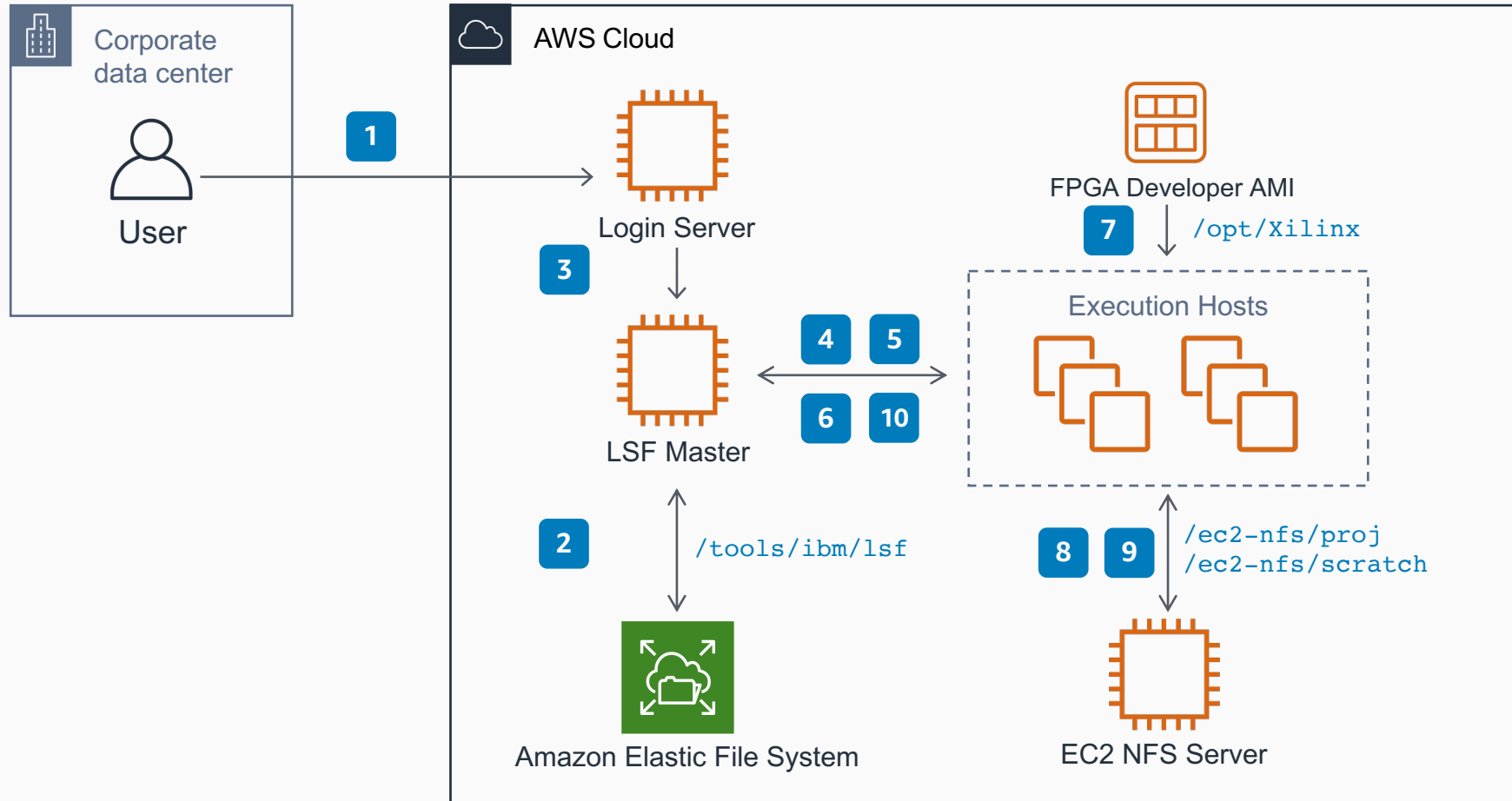


EDA on AWS with IBM Spectrum LSF

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.

