# Software-Defined Rack Scale Architecture

Neel Shah

#### System Goals

Store and retrieve memory pages from a remote host

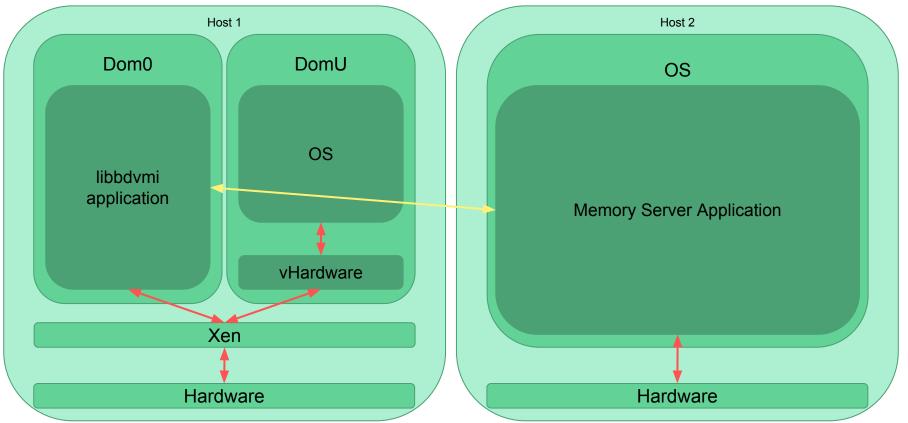
Manage memory page access control

Automatically swap pages to/from remote host

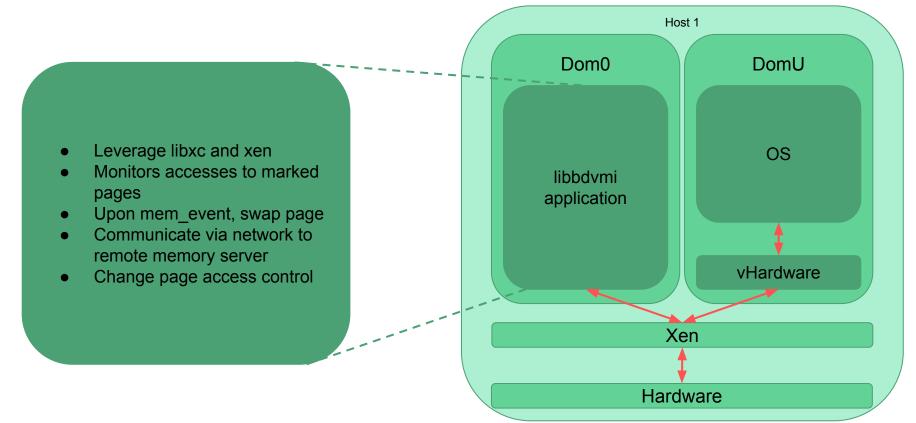
## Key Components

- Xen
- libbdvmi
- Memory paging algorithm
- Remote memory server

### System Design



#### Host 1 Design



### Host 2 Design

