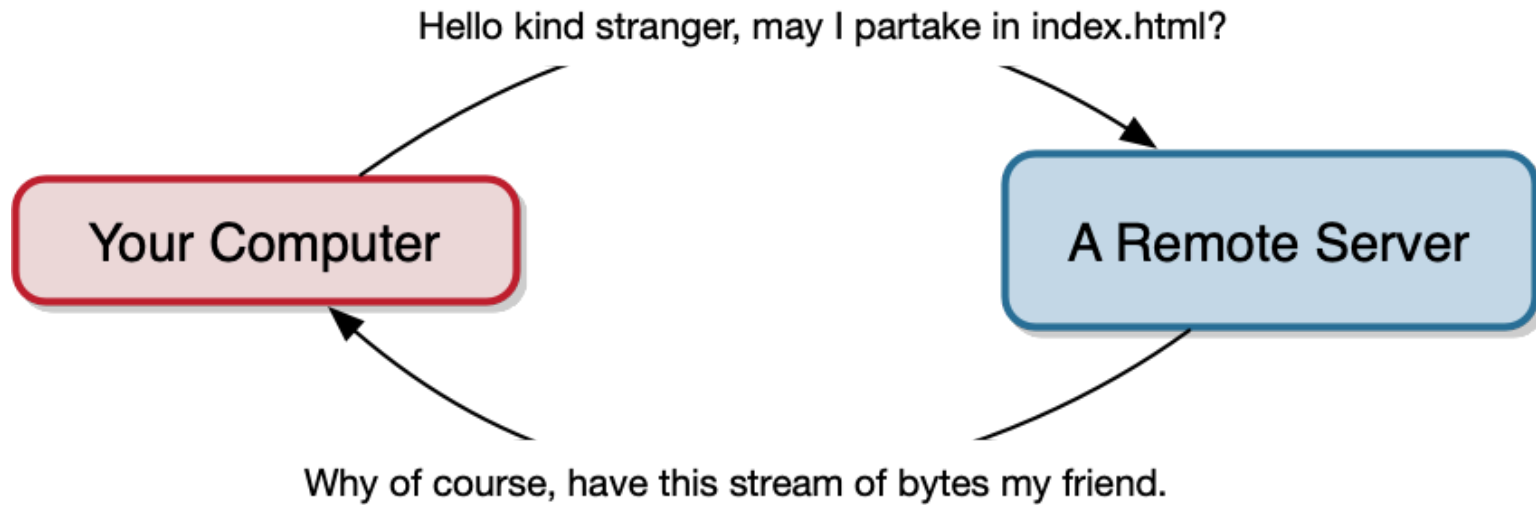**CS 521**: Systems Programming

VM Setup

Lecture 2

Setting up a VM

- Today we'll go over the process of creating your very own VM!
    - So unique and amazing… and configured just like everybody else's!

- You need some information for this:
    - **Most important**: a name for your VM
    - Your CS username
    - Your CS password
    - Your CS 521 Classroom ID
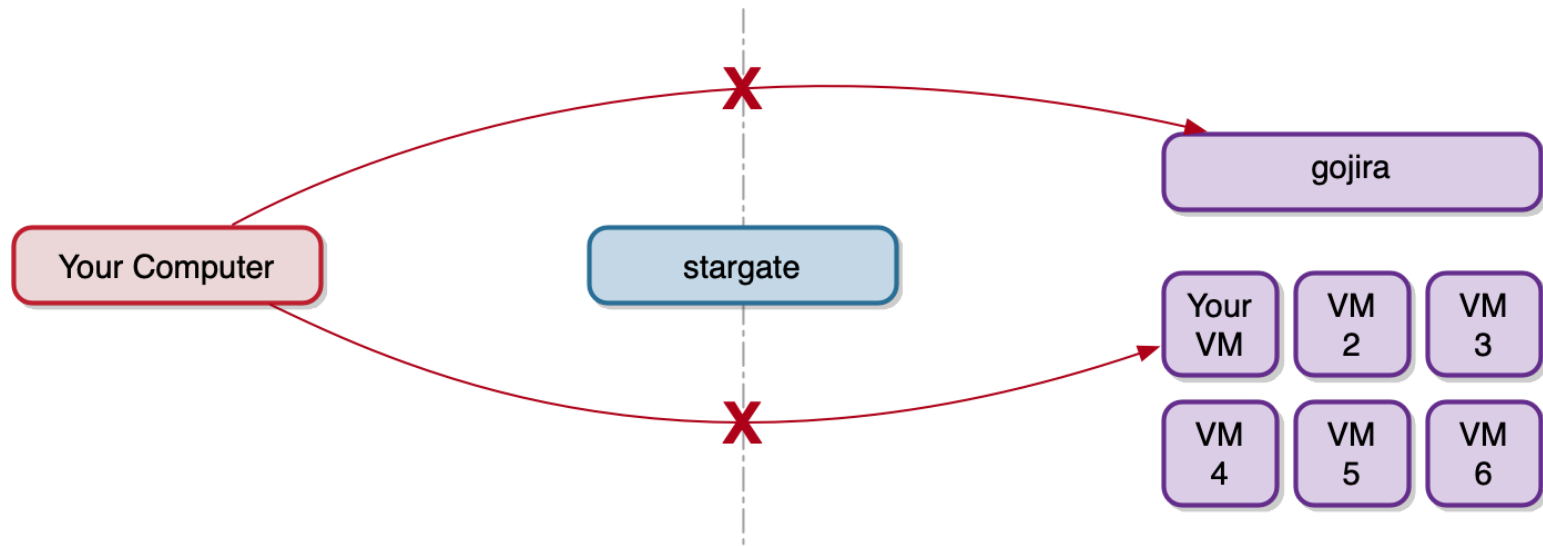   - Determines the MAC address of your network interface

Important: Networking

- The VMs we create will be more or less the same as any other computer

- The only catch: they're locked up behind a firewall or two
  - We don't want them to escape and start posting on Twitter

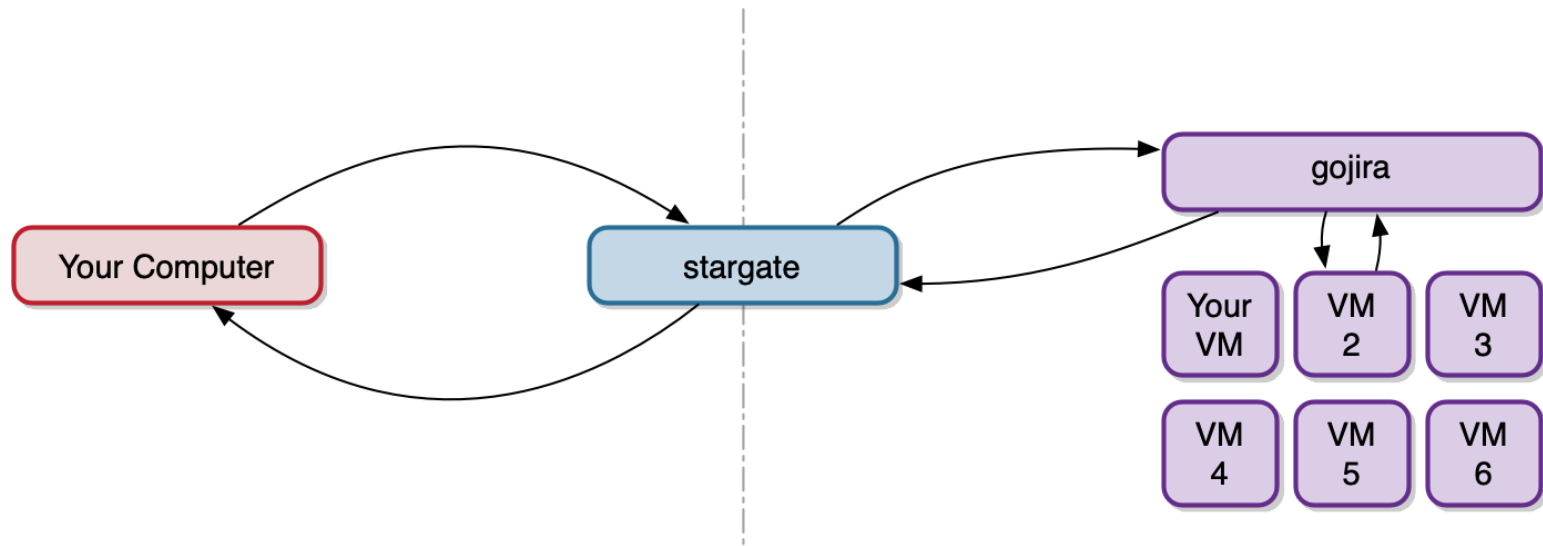- Let's look at a very simplistic model for network communication…

Normal Communication

Hello kind stranger, may I partake in index.html?

Your Computer

A Remote Server

Why of course, have this stream of bytes my friend.

Our Situation

With SSH

Demo: The Setup Process

- Lab 1, Part 1 is setting up your own VM

- I will go through the process now

- You will do this in small groups (assigned on Monday), but feel free to get started early if you want

- As you set up your VM, take note of any new commands/concepts/weird things you read about but don't quite understand.
  - You'll collect these as a group and choose the weirdest or most interesting command, concept, etc. to explain to the class.