

L4: Naming in computer systems

Nickolai Zeldovich
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Example from last lecture

```
public interface BidInterface extends Remote {  
    public String bid(String, Integer) throws RemoteException;  
}
```

```
public static void main (String[] argv) {  
    try {  
        BidInterface srvr = (BidInterface)  
            Naming.lookup("//xxx.ebay.com/Bid");  
        winning = srvr.bid("123", 10);  
        System.out.println(winning);  
    } catch (Exception e) {  
        System.out.println("BidClient exception: " + e);  
    }  
}
```

Example from last lecture

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```
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        System.out.println("BidClient exception: " + e);  
    }  
}
```

Names

- LD R0, 0x2148
- 18.9.22.69
- web.mit.edu
- /mit/6.033/www/dp1.shtml
- quiz1.pdf
- .. (as in, “cd ..” or “ls ..”)
- <http://web.mit.edu/6.033/www/dp1.shtml>
- 6.033-staff@mit.edu
- ls
- (617) 253-7149, x3-7149
- Frans Kaashoek
- 021-84-2030

Summary

- Names are pervasive in computer systems, used to connect modules together
- To understand a naming system, think about:
 - What's the syntax for names?
 - What are the values?
 - What is the name resolution algorithm?
 - Where does the lookup context come from?