PREVIEW:
LEARN HOW TO CONTROL EVERY ROOM AT A LUXURY HOTEL REMOTELY: THE DANGERS OF INSECURE HOME AUTOMATION DEPLOYMENT
by Jesus Molina
THE ST. REGIS SHEN ZHEN
HOTEL IS HERE
• This is NOT unique to the St. Regis Shen Zhen
• Many hotel are starting to roll this amenity
• The same reasons as Home Automation (decrease energy usage, comfort) plus added benefits
  – Sell services by bundling
  – Aid in the discovery of room features
• But how the room control works??????
• This question is very relevant because...
Hotel Security

- Hotel security is hard!
- Hotels share amenities in both time and space
- With more technology in the rooms, more sophisticated security is required
- Room key evolution
Could I control the room with my laptop?
The Elephant in the Hotel Room

• I was a guest at the hotel, not a planned security evaluation
• Limited time and resources
• Fear of making a bad mistake
• I did not hack anything
  – But that will have not matter much should I have got caught blinking the corridor lights by security
Could I control EVERY room with my laptop?
NO IPAD 😞
Pranking in the Age of the IoT

- Spooky room joke
- Stage a Hollywood Hack in real life
- Create an interactive game
- Send your own ideas to
  @verifythentrust #hotelhack
So what will be in the talk?

- Large scale automation protocols are...old and/or closed
- What does this mean for the IoT
- Step by Step dissection of the security evaluation
- Discussion of home automation protocols and security
- KNX!
- Maybe (bad) Videos 😊
security@nomeames.com
@verifythentrust