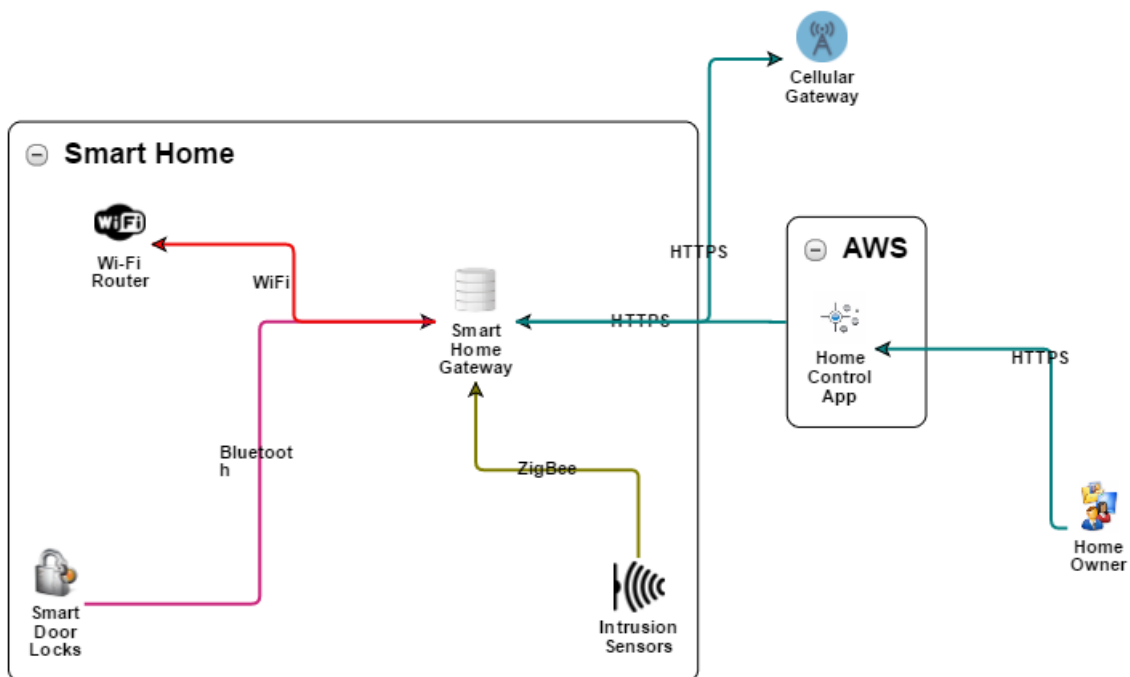


## Smart Home - 2016

01/17/2017

### Threat Model



### Threats

Threat	Source	Risk	Status	Date Created
Keys are shared over the entire network and stored in flash memory.	ZigBee	High	Open	11/04/2016
Key Establishment	ZigBee	Critical	Open	11/04/2016
Key Rotation	ZigBee	Critical	Open	11/04/2016
key Transport	ZigBee	Critical	Open	11/04/2016
Device Tampering	ZigBee	Critical	Open	11/04/2016
WiFi Credentials Exposed	WiFi	Critical	Open	11/04/2016
Adding False Nodes	ZigBee	High	Open	11/04/2016

Passive Attack to Decrypt Traffic	WiFi	Critical	Open	11/04/2016
Man in the Middle Attack	WiFi	Critical	Open	11/04/2016
Password Cracking	WiFi	Critical	Open	11/04/2016
Hack WiFi Password	WiFi	Critical	Open	01/17/2017
Hardcoded Crypto Keys	WiFi	Critical	Open	11/04/2016
WiFi Jamming	WiFi	High	Open	01/17/2017
Denial of Service - WASC	Bluetooth	High	Open	11/04/2016
Man in the Middle Attack	Bluetooth	Critical	Open	11/04/2016
Packet Sniffing	ZigBee	Medium	Open	11/04/2016
Exploiting Incorrectly Configured SSL Security Levels	HTTPS	Low	Open	11/04/2016
Spoofed Sensor Readings	Intrusion Sensors	Critical	Open	11/04/2016
Sniffing the Unencrypted PIN	Intrusion Sensors	Critical	Open	11/04/2016
Hack WiFi Password	Intrusion Sensors	Critical	Open	11/04/2016
Radio Jamming	Intrusion Sensors	Critical	Open	11/04/2016
Unencrypted and Unauthenticated communications	Smart Home Gateway	High	Open	11/04/2016
WiFi Jamming	Smart Home Gateway	High	Open	11/04/2016
Misconfiguration of Encryption	Smart Home Gateway	High	Open	11/04/2016
Man in the Middle Attack	Smart Home Gateway	Critical	Open	11/04/2016
Spoofed Sensor Readings	Smart Door Locks	Critical	Open	11/04/2016
Sniffing the Unencrypted PIN	Smart Door Locks	Critical	Open	11/04/2016
Hack WiFi Password	Smart Door Locks	Critical	Open	11/04/2016
Radio Jamming	Smart Door Locks	Critical	Open	11/04/2016
Hardcoded Crypto Keys	Wi-Fi Router	Critical	Open	11/04/2016
WiFi Credentials Exposed	Wi-Fi Router	Critical	Open	11/04/2016
Password Cracking	Wi-Fi Router	Critical	Open	11/04/2016
Man in the Middle Attack	Wi-Fi Router	Critical	Open	11/04/2016
Password Brute Forcing	Wi-Fi Router	High	Open	11/04/2016
Active Attack to Inject Traffic	WiFi	Critical	Open	11/04/2016
Browser Exploit Against SSL & TLS - BEAST	HTTPS	Medium	Open	11/04/2016
Eavesdropping	Bluetooth	Critical	Open	11/04/2016
Dictionary-based Password Attack	Wi-Fi Router	High	Open	11/04/2016