

# SECURITY

## 1. DEAUTHENTICATION ATTACKS

- No proper way to secure against it.
- Can't prevent clients from sending deauth frames.

### Solution:

- Switch to **802.11w**.
- Uses **protected management** frames.
- Can **detect and prevent** deauth attack.

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## 2. HIDDEN NETWORKS

- Only SSID is hidden.
- Network Has to broadcast its **existence**.
- ESSID can be **easily discovered**.

### Solution:

- Do **not** use this as a security precaution.

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## 3. MAC FILTERING

- Relies on Mac Address.
- Mac address can be **changed** easily.
- Therefore it is not secure.

### Solution:

- Do **not** use Mac Filtering.
- Use **WPA/WPA2 Enterprise** instead.

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## SUMMARY

1. Switch to 802.11w.
2. Hiding network will not secure network from hackers.
3. Do not rely on MAC for access control.