

# Wireless Network Support

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# Current Status

- net80211 layer stable:
  - station mode, including WPA
  - hostap mode, including WPA
  - adhoc mode, (no WPA yet)
- drivers:
  - ath nearly production quality
  - iwi significantly improved
  - other drivers lagging
- ancillary facilities improving (e.g. firmware loading, ethereal)

# Ongoing/Future Work

- Stabilize and improve existing drivers:
  - ipw
  - ral
  - ath (rate control, SoC?)
- New drivers:
  - Broadcom bcm43xx (SoC?)
  - ZyDAS zd1211
  - Intel 3945

# Ongoing/Future Work (cont)

- New scanning support (requires help)
- Various 802.11 protocol bits (e.g. tx frag)
- Atheros protocol extensions (e.g. fast frames)
- 802.11i pre-authentication (roaming)
  
- **802.11n**

# Issues

- Legacy drivers: wi, an
- Wired / wireless roaming support
- WDS / repeater support (vap's)
- Wireless sysinstall support
- Lack of developers