



rate control userspace API

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Linux Wireless



- SIOCGIWRATE – reports current bitrate
- SIOCSIWRATE – possible settings:
 - automatic (default)
 - automatic below a given bitrate
 - fixed to a given bitrate
- not all functionality supported by all drivers, interpretation may vary
 - mac80211: all
 - iwmm: reports bitrate
 - rndis: “link speed”



- report and switch rate control algorithm
- have per-algorithm parameters (or is this more of a debugging facility?)



- some RC API really should be per station (IBSS, mesh, peer links)
- report HT bitrates in SIOCGIWRATE?
- how then make setting max bitrate compatible with HT?
- drivers with fixed RC algorithm in device or driver (iwlwifi/ath9k)
- multicast frame bitrates



- how to standardise per-algorithm parameters to avoid iwpriv mess?
- just have some standard, but optional, parameters like
 - max bitrate (wext compat)
 - fixed bitrate (wext compat)
 - fixed set of bitrates (e.g. 1,2,11,18,36,54)
 - ...



Action plan

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