

[edit wlan access-point] Hierarchy Level

```
wlan {
  access-point name {
    access-point-options {
      country {
        country-code;
      }
      station-mac-filter {
        (allow-list | deny-list) {
          mac-address [ addresses ];
        }
      }
    }
  }
  cluster {
    cluster-name;
  }
  description description;
  external {
    dot1x-supplicant {
      password password;
      username username;
    }
    system {
      console {
        baud-rate (9600 | 19200 | 38400 | 57600 | 115200);
      }
      ntp-server name;
      ports {
        ethernet {
          management-vlan vlan-id;
          name-server [ ip-addresses ];
          static {
            address ip-prefix</prefix-length>;
            default-gateway ip-address;
          }
          untagged-vlan vlan-id;
        }
      }
    }
  }
  location location;
  mac-address mac-address;
  radio (1 | 2) {
    quality-of-service {
      access-point-queues {
        background-queue {
          arbitration-inter-frame-space slots;
          maximum-burst microseconds;
          maximum-contention-window {
            (1 | 3 | 7 | 15 | 31 | 63 | 127 | 255 | 511 | 1023);
          }
        }
        minimum-contention-window {
          (1 | 3 | 7 | 15 | 31 | 63 | 127 | 255 | 511 | 1023);
        }
      }
    }
  }
}
```

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    }
  }
  best-effort-queue {
    ... same statements as at the [edit wlan access-point name radio (1 ) 2)
    quality-of-service access-point-queues background-queue] hierarchy
    level just above ...
  }
  video-queue {
    ... same statements as at the [edit wlan access-point name radio (1 ) 2)
    quality-of-service access-point-queues background-queue] hierarchy
    level just above ...
  }
  voice-queue {
    ... same statements as at the [edit wlan access-point name radio (1 ) 2)
    quality-of-service access-point-queues background-queue] hierarchy
    level just above ...
  }
}
no-acknowledgement;
no-auto-power-save;
no-wifi-multimedia;
station-queues {
  background-queue {
    arbitration-inter-frame-space slots;
    maximum-contention-window {
      (1 | 3 | 7 | 15 | 31 | 63 | 127 | 255 | 511 | 1023);
    }
    minimum-contention-window {
      (1 | 3 | 7 | 15 | 31 | 63 | 127 | 255 | 511 | 1023);
    }
    transmit-opportunity-limit ms;
  }
  best-effort-queue {
    ... same statements as at the [edit wlan access-point name radio (1 ) 2)
    quality-of-service station-queues background-queue] hierarchy level just
    above ...
  }
  video-queue {
    ... same statements as at the [edit wlan access-point name radio (1 ) 2)
    quality-of-service station-queues background-queue] hierarchy level
    just above ...
  }
  voice-queue {
    ... same statements as at the [edit wlan access-point name radio (1 ) 2)
    quality-of-service station-queues background-queue] hierarchy level
    just above ...
  }
}
}
radio-options {
  beacon-interval ms;
  broadcast-multicast-rate-limit {
    rate-limit packets-per-second;
    rate-limit-bursts packets-per-second;
  }
  channel {
    bandwidth (20 | 40);
  }
}

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    number (auto | channel-number);
    primary (lower | upper);
}
dfs-off;
disable-dot11d;
dtim-period beacons;
fixed-multicast-rate (auto | 1 | 2 | 5.5 | 6 | 9 | 11 | 12 | 18 | 24 | 36 | 48 |
54);
fragmentation-threshold size;
maximum-stations number;
mode (2.4GHz | 5GHz | a | an | bg | bgn);
no-short-guard-interval;
protection (auto | off);
radio-off;
rts-threshold size;
space-time-block-coding;
transmit-power percent;
transmit-rate-sets {
    supported-basic-rates rate;
    supported-rates rate;
}
}
virtual-access-point id {
    description description;
    http-redirect {
        redirect-url url;
    }
    no-broadcast-ssid;
    security {
        ... the security subhierarchy appears after the main [edit wlan access-point
        name radio (1 | 2) virtual-access-point id] hierarchy level ...
    }
    ssid ssid;
    vlan vlan-id;
}

virtual-access-point id {
    security {
        dot1x {
            broadcast-key-refresh-rate minutes;
            radius-key key;
            radius-server ip-address;
            session-key-refresh-rate minutes;
        }
        mac-authentication-type (disabled | local | radius);
        none;
        static-wep {
            authentication-type (both | open | shared);
            key-length (64bits | 128bits);
            key-type (ascii | hex);
            transfer-key-index id;
            wep-key-1 key;
            wep-key-2 key;
            wep-key-3 key;
            wep-key-4 key;
        }
    }
}

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wpa-enterprise {
  cipher-suites {
    (both | ccmp | tkip);
  }
  pre-authenticate;
  radius {
    broadcast-key-refresh-rate minutes;
    radius-key key;
    radius-server ip-address;
    session-key-refresh-rate minutes;
  }
  wpa-version {
    (both | v1 | v2);
  }
}
wpa-personal {
  broadcast-key-refresh-rate minutes;
  cipher-suites {
    (both | ccmp | tkip);
  }
  key key;
  wpa-version {
    (both | v1 | v2);
  }
}
}
}
}
}
}
}
}

```

- Related Topics**
- Notational Conventions Used in JUNOS Configuration Hierarchies
 - [edit wlan] Hierarchy Level

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