

ISDN-Gateway

Um einen echten ISDN-Anschluss an eine UCware anzubinden, wird ein Media-Gateway benötigt, welches die Schnittstelle zwischen ISDN und SIP darstellt. Folgende Gateways stehen zur Auswahl:

- Patton 4131 - Gateway für 2; 4 oder 8 ISDN S0 Ports
- Patton 4970 - Gateway für bis zu 4 ISDN E1 Ports

Troubleshooting

Mit dem folgenden Befehl kann für einfacheres NAT Traversal die IP-Adresse im Contact- und Via-Header sowie im SDP auf die externe Adresse der Patton gesetzt werden. NAT-Probleme führen häufig zu fehlenden Audio-Strömen in eine oder beide Richtungen.

```
context sip-gateway GW-SIP

interface GWIF-SIP
    spoofed nat-address auto
```

Weitergehende Informationen

Folgende Liste enthält alle SIP ↔ e.164 default Mappings der Patton-Firmware, welche Hilfreich sein können um Huntgroups und ähnliches richtig zu konfigurieren

```
map cause from-sip 0 to normal-call-clearing
map cause from-sip 400 to temporary-failure
map cause from-sip 401 to call-rejected
map cause from-sip 402 to call-rejected
map cause from-sip 403 to call-rejected
map cause from-sip 404 to unallocated-number
map cause from-sip 405 to service-or-option-not-available
map cause from-sip 406 to service-or-option-not-implemented
map cause from-sip 407 to call-rejected
map cause from-sip 408 to recovery-on-timer-expiry
map cause from-sip 410 to number-changed
map cause from-sip 413 to interworking
map cause from-sip 414 to interworking
map cause from-sip 415 to service-or-option-not-implemented
map cause from-sip 416 to interworking
map cause from-sip 420 to interworking
map cause from-sip 421 to interworking
map cause from-sip 422 to interworking
map cause from-sip 423 to interworking
map cause from-sip 480 to no-user-responding
map cause from-sip 481 to temporary-failure
map cause from-sip 482 to no-route-to-destination
map cause from-sip 483 to no-route-to-destination
map cause from-sip 484 to invalid-number-format
map cause from-sip 485 to unallocated-number
map cause from-sip 486 to user-busy
map cause from-sip 487 to normal-unspecified
map cause from-sip 488 to service-or-option-not-implemented
map cause from-sip 489 to service-or-option-not-implemented
map cause from-sip 491 to temporary-failure
map cause from-sip 493 to interworking
map cause from-sip 500 to temporary-failure
map cause from-sip 501 to service-or-option-not-implemented
map cause from-sip 502 to network-out-of-order
map cause from-sip 503 to temporary-failure
map cause from-sip 504 to recovery-on-timer-expiry
map cause from-sip 505 to service-or-option-not-implemented
map cause from-sip 513 to interworking
map cause from-sip 600 to user-busy
map cause from-sip 603 to call-rejected
map cause from-sip 604 to unallocated-number
```

map cause from-sip 606 to normal-unspecified

```
map cause to-sip access-info-discarded to 500
map cause to-sip bearer-capability-not-authorized to 403
map cause to-sip bearer-capability-not-available to 406
map cause to-sip bearer-capability-not-implemented to 488
map cause to-sip call-awarded to 500
map cause to-sip call-has-been-cleared to 480
map cause to-sip call-identity-does-not-exist to 500
map cause to-sip call-identity-in-use to 500
map cause to-sip call-rejected to 403
map cause to-sip channel-does-not-exist to 500
map cause to-sip channel-type-not-implemented to 406
map cause to-sip channel-unacceptable to 503
map cause to-sip circuit-channel-not-available to 500
map cause to-sip destination-out-of-order to 502
map cause to-sip facility-not-implemented to 406
map cause to-sip facility-not-subscribed to 406
map cause to-sip facility-rejected to 501
map cause to-sip ie-does-not-exist to 500
map cause to-sip incompatible-destination to 503
map cause to-sip interworking to 500
map cause to-sip invalid-call-reference to 500
map cause to-sip invalid-ie-contents to 500
map cause to-sip invalid-message to 500
map cause to-sip invalid-number-format to 484
map cause to-sip invalid-transit-network to 500
map cause to-sip mandatory-ie-missing to 500
map cause to-sip message-not-state-compatible to 500
map cause to-sip message-type-not-implemented to 500
map cause to-sip message-type-not-state-compatible to 500
map cause to-sip network-out-of-order to 503
map cause to-sip no-answer-from-user to 480
map cause to-sip no-call-suspended to 500
map cause to-sip no-circuit-channel-available to 503
map cause to-sip no-error to 404
map cause to-sip no-route-to-destination to 404
map cause to-sip no-route-to-network to 404
map cause to-sip no-user-responding to 408
map cause to-sip non-selected-user-clearing to 404
map cause to-sip normal-call-clearing to 487
map cause to-sip normal-unspecified to 480
map cause to-sip number-changed to 410
map cause to-sip only-restricted-digital-available to 488
map cause to-sip protocol-error to 500
map cause to-sip qos-unavailable to 406
map cause to-sip recovery-on-timer-expiry to 504
map cause to-sip resources-unavailable to 503
map cause to-sip response-to-status-enquiry to 500
map cause to-sip service-or-option-not-available to 406
map cause to-sip service-or-option-not-available to 406
map cause to-sip service-or-option-not-implemented to 501
map cause to-sip subscriber-absent to 480
map cause to-sip switching-equipment-congestion to 503
map cause to-sip temporary-failure to 503
map cause to-sip unallocated-number to 404
map cause to-sip user-busy to 486
```

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