

ISACO GmbH  
Company Introduction


isaco

# Overview

- Software development based in Berlin/Germany.
- Founded in Feb 2008.
- Customer focus on IT and telecommunications:
  - Data provisioning
  - Accounting
  - VoIP telephony
  - Media applications



# Customized software development

- Individual solutions for each customer.
- Developers with long-standing experience and in-depth technical know how.
- Test automation and continuous integration.
- Built on top of field-proven open source software. 
- Running on standard server hardware.
- Highly configurable and secure components.
- Designed with high availability and scalability in mind.
- Flexible monitoring and statistics capabilities.

# Customized software development (2)

- Flexible adapter software:
  - Interfacing to standard products.
  - Connecting different platforms and networks.
  - Rapid and flexible integrations of various components.
  - SIP and many other protocols used in the VoIP field.
  - Mediating incompatible RFC implementations.
  - Converting, correlating, and verifying data.



# Customized software development (3)

- Stand-alone applications:
  - Customer-tailored solutions.
  - Demonstrator for new technologies.
  - Server daemons.
  - Commandline-based tools.
  - Web-based user interfaces.
- Examples:
  - Call control provisioning
  - Dialplan management
  - Platform testing automation
  - Customer self-service web portal

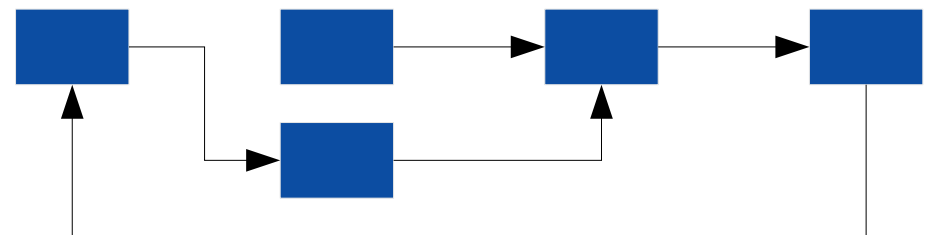
```
● isaco.service - Custom solution
  Loaded: loaded (/usr/lib/systemd/system/isaco.service; static; vendor preset: disabled)
  Active: active (running) since Fri 2018-01-19 06:35:16 CEST; 426 days ago
  Docs: man:isaco-daemon(1)
  Main PID: 409 (isaco-daemon(1))
  Tasks: 1 (limit: 4915)
  Memory: 5.9M
  CGroup: /system.slice/isaco.service
          └─409 /usr/bin/isaco-daemon --system --address=systemd: --nofork --nopidfile -->

Jul 22 12:28:33 host isaco-daemon[409]: [system] Successfully activated service>
Jul 22 12:29:46 host isaco-daemon[409]: [system] Activating via systemd: service>
Jul 22 12:29:47 host isaco-daemon[409]: [system] Successfully activated service>
Jul 22 12:40:37 host isaco-daemon[409]: [system] Activating via systemd: service>
Jul 22 12:40:38 host isaco-daemon[409]: [system] Successfully activated service>
Jul 22 17:43:46 host isaco-daemon[409]: [system] Activating via systemd: service>
Jul 22 17:43:47 host isaco-daemon[409]: [system] Successfully activated service>
Jul 22 17:53:31 host isaco-daemon[409]: [system] Activating via systemd: service>
Jul 22 17:53:32 host isaco-daemon[409]: [system] Successfully activated service>
```

Auftragsnr.	Rufnummer	Status	Aktivierungsdatum	
4711	+49-30-123458	aktiviert, abgelaufen	09.11.2018	Details Verbindungen deaktivieren beenden
4712	+49-30-123458	aktiviert, abgelaufen	14.03.2019	Details Verbindungen deaktivieren beenden
85340	+49-30-123457	aktiviert	11.06.2019	Details Verbindungen deaktivieren beenden

# VoIP signaling components

- SIP Proxy and Registrar
- Back-to-back user agent
- Call control
- Emergency routing
- DTAG interconnection proxy
- NAT traversal
- RTP Proxy
- Based on Kamailio



# VoIP media applications

- Conferencing solutions:
  - Web-based frontend
  - Scheduled and ad-hoc start
  - Dial-in PIN support
  - Wideband audio
- Click2dial, Voice2mail, Voicebox
- Announcement server
- WebRTC gateway
- Optional accounting modules
- Based on SEMS or SIP Servlets



# Technical support and maintenance

- Full operational support.
- Direct access to our experts.
- Staff with long-standing experience.
- Different support levels:
  - Basic
  - Advanced
  - Individual





# Consulting services

- Assistance from conception to launch.
- Integration of SIP components.
- Analysis and optimization of VoIP platforms (e.g. architecture, availability, scalability).
- Help with decisions on and inspections of SIP components from other companies.
- Development of operational concepts.
- Customer training.



Thank you and welcome to ISACO.

[www.isaco.de](http://www.isaco.de)

