

authentiz

competence in biometrics

Präsentation – Industrietag am ISPK

Richard Brandt

18.01.2002

www.authentiz.com

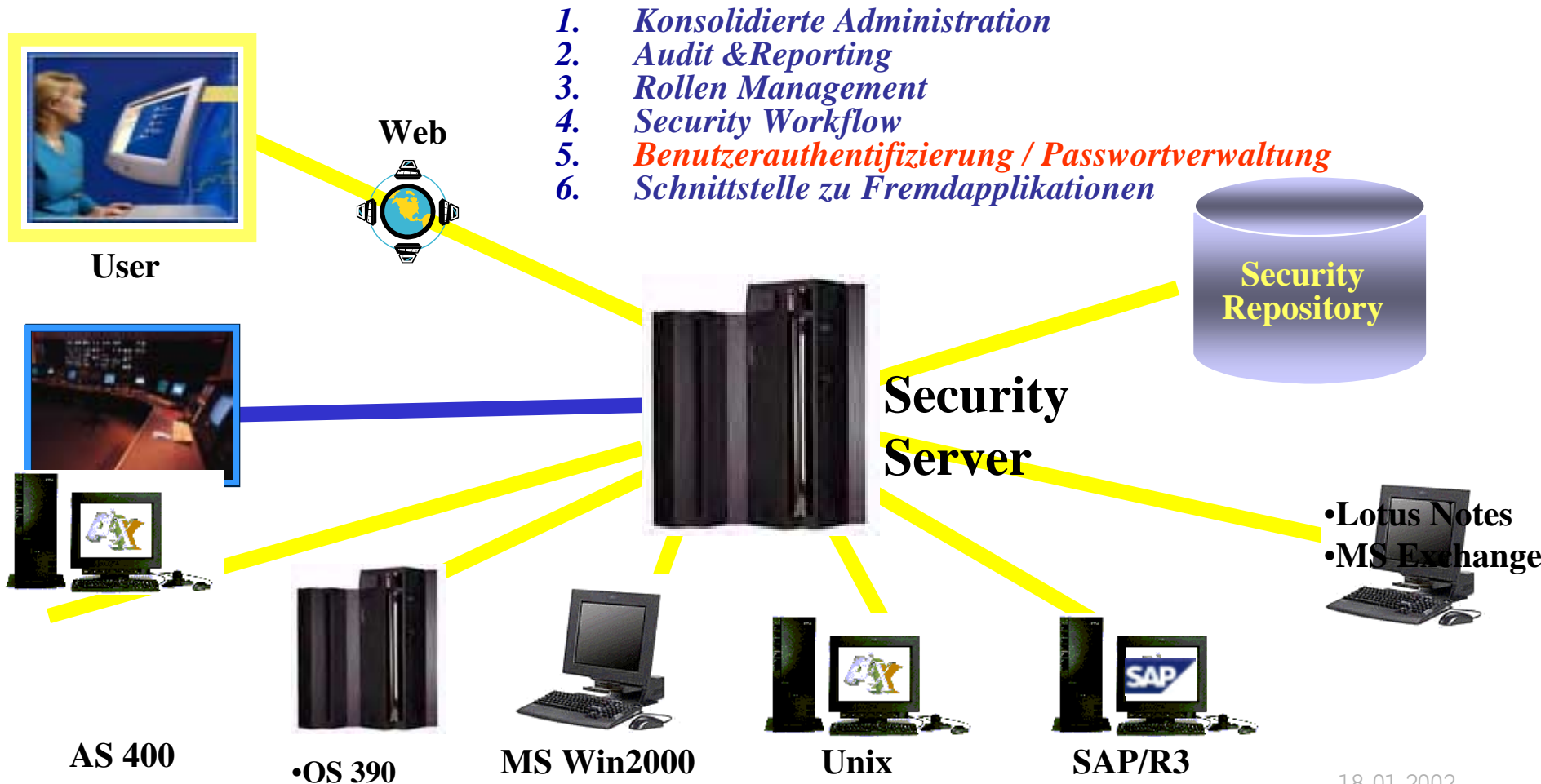
contact@authentiz.com

Firmenübersicht

- **authentiz** ist Anbieter von Biometrischen Lösungen.
- Das Angebotsspektrum von **authentiz** umfasst Produkte und Dienstleistungen im Umfeld biometrischer Systeme.
- Hauptsitz des Unternehmens ist Oberhaching bei München.
- Strategische Partnerschaften mit Sun, IBM (BMC, Siemens ...)
- Gründung durch Richard Brandt und Andreas Nicklas.



Anforderungen im Securitymanagement



authentiz.VoicePass

***Biometric Voice Verification software for
virtually any security application and platform***



Did you know ...

Poor security significantly increases costs for:

Telephony Systems

It has been estimated that internal help desks spend as much as 65% of their time resetting forgotten, lost, or shared passwords

Enterprise Computing

Fortune 1000 companies sustained losses of more than \$45 billion in 1999 from the theft of proprietary information

Did you know ...

Poor security inhibits customer convenience for:

Internet

Credit card security accounts for 79% *of the barriers* to online purchasing

Embedded Devices

By 2004, over 150 million people are expected to use mobiles or PDAs for wireless banking or other financial transactions

authentiz.VoicePass Reduces Expenses

- Eliminates the need for PINs and passwords, and their associated costs and hassles
- Streamlines the user authentication process, therefore reducing the duration of call length
- Cuts fraud in all industries

Fraud and abuse costs US organizations more than \$400 billion annually.

authentiz. VoicePass Tightens Security

End-users, who are increasingly concerned with security and tired of remembering passwords, will generate a pull for biometrics due to their extraordinary convenience.

- Biometrics provide a significantly higher degree of security than traditional PINs and passwords
- A voice verification biometric accurately confirms a person's claimed identity based on the unique features of his or her voice
- Unlike tokens, cards, PINs, and passwords, your voice cannot be shared, stolen, or forgotten

At a hackers conference, 72% of the hacker respondents said that passwords were the "easiest and most common hack" used.

authentiz. VoicePass Increases Customer Satisfaction

- Saying your name is as natural as saying, "Hello"
- Verification takes the user less than one tenth of a second
- Personalizes products and services to each user, implements one-to-one marketing, and therefore, increases revenue

The International Biometric Group, Morgan Keegan Research, the International Data Group, Federal Computer Week and others have rated voice as the least intrusive biometric technology.

The authentiz.VoicePass Solution

- authentiz.VoicePass is the core biometric voice verification technology from authentiz
- "Accepts" or "denies" a person's claimed identity by comparing a live voice sample to a previously enrolled voiceprint
- Since every voiceprint is unique, people can use their voice as a password

Voice ranks #1 when comparing the categories of accuracy, convenience, and cost for biometric authentication technologies.

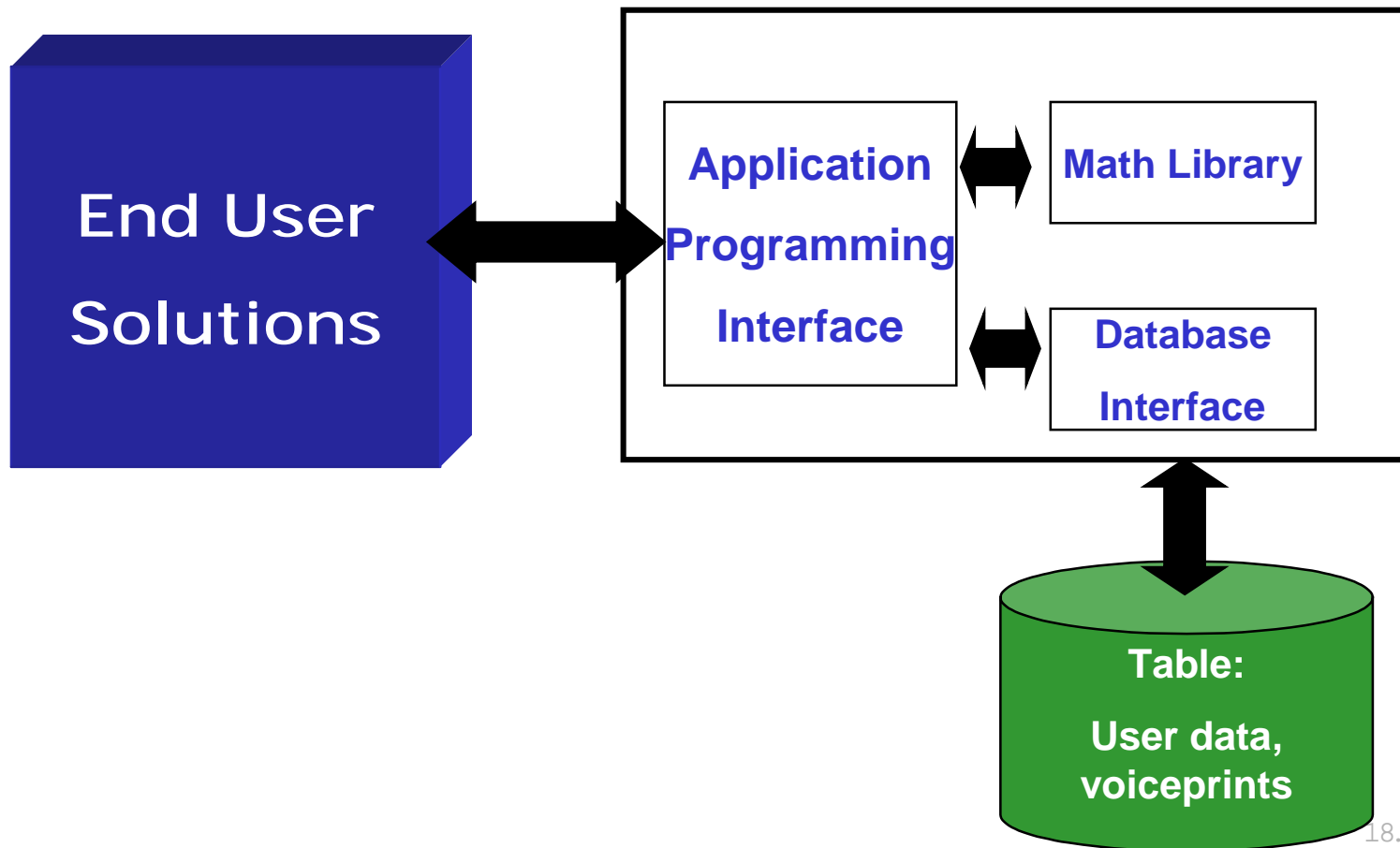
Morgan Keegan Research and the International Data Group, 2001

The SDK Design

- authentiz.VoicePass is a combination of advanced mathematics, database interface and an Application Programming Interface (API)
- The authentiz.VoicePass library components are modular and flexible, allowing for distributed voiceprint creation and comparison, and enables many client/server deployment options
- authentiz.VoicePass is cross-platform operable, and supports Windows 9X / NT / 2000 / CE, Redhat Linux 6.2, and Unix Solaris
- authentiz.VoicePass contains Dynamic Link Libraries (DLL) for Windows Programming and Shared Objects (SO) for Unix / Linux

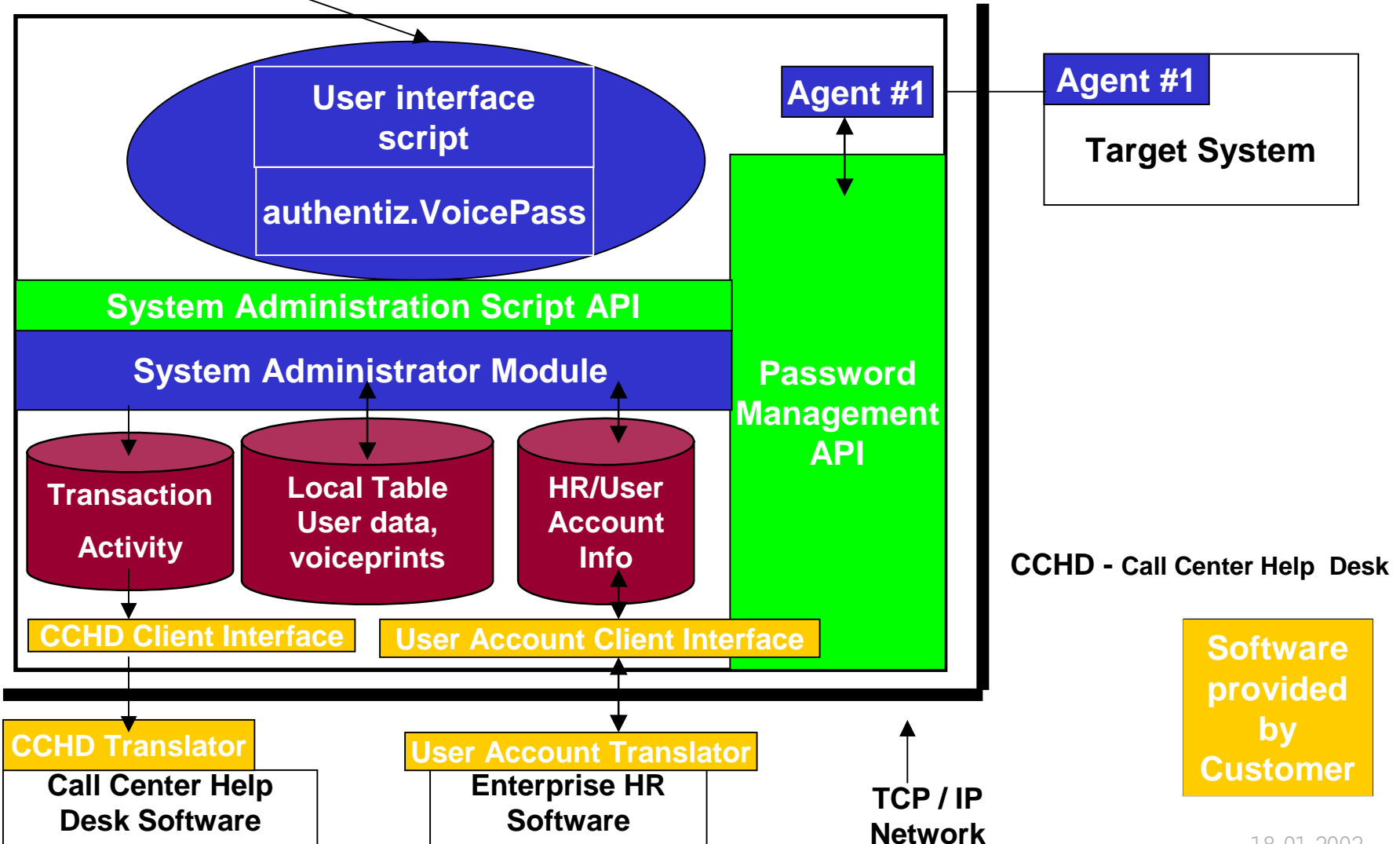
Software Components

authentiz.VoicePass is a component of end user solutions



Architecture / Authentiz.VoiceSet

PBX or ACD



CCHD - Call Center Help Desk

Software provided by Customer

Specifications

- Voiceprint Size: For a phrase length of 2 seconds, an encrypted voiceprint size is 8-10k
- Footprint Size: Varies by operating system (always less than 100k)
- Performance: 40 verifications per second using a 850 MHz Pentium III processor
- Sample Rate: Compatible with any commercially available sampling. Some example sampling rates are:
 - Microphone: 16-bit linear at 11KHz sample rate
 - Telephone: 8-bit Mu-law at 8KHz sample rate converted to 16-bit linear for multi-platform support

authentiz

competence in biometrics

www.authentiz.com

This document and any attached files contain information intended for the exclusive use of the individual or entity to whom it is addressed and may contain information that is proprietary, privileged, confidential and/or exempt from disclosure under applicable law. If you are not the intended recipient, you are hereby notified that any viewing, copying, disclosure, or distribution of this information may be subject to legal restriction or sanction. Please notify the sender, by electronic mail or telephone, of any unintended recipients and dispose of this document without making any copies.

18.01.2002