

# iX KOMPAKT 2023

## Active Directory Security



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**MAGAZIN FÜR  
PROFESSIONELLE IT**

# Sicheres Active Directory

Microsofts AD, Azure AD und Azure-Dienste  
vor Angriffen schützen

**Denken wie ein Hacker**  
Angriffe kennen, verstehen und verhindern

**Schutzmaßnahmen für das AD**  
Konfigurationen, Gruppenrichtlinien und mehr

**Forensische Analyse  
von Ereignisprotokollen**  
Vorfälle und Angriffe nachvollziehen

**Angreifer in die Falle locken**  
Deception, Honeytokens und präparierte Systeme

**Grundschutzkonformes AD**  
Was nicht in den Bausteinen steht

**Werkzeuge für die AD-Absicherung**  
Schwachstellen schließen, Angriffe erkennen, Manipulationen rückgängig machen

**Sichere  
Passwörter**  
(nicht nur) fürs AD

## Azure AD und Zero Trust

Moderne Absicherung für mobiles Arbeiten, Cloud-Anwendungen und BYOD

# iX KOMPAKT ACTIVE DIRECTORY SECURITY

This year, the „Active Directory“ special issue is being published in an updated edition. The security guidebook was first published in 2022 and sold very strongly in retail outlets and via the Heise Shop, which is why the editors have updated the edition and added some articles.

Microsoft's Active Directory (AD) is used in around 90 percent of all companies worldwide. For administrators, it is a convenient service that can be used to manage almost all important company resources - users, systems, identities, rights. But where there is light, there is also shadow: For criminals, AD is a treasure trove of valuable information that helps to penetrate the corporate network, spread there, steal or manipulate data, or even infiltrate dangerous malware such as the currently widespread encryption Trojans.

iX kompakt takes a comprehensive look at the security of the directory service – how it works in the first place, what makes it so vulnerable, and how to secure it, „manually“ by the administrator and with the support of tools. A special chapter is dedicated to the increasingly used Azure AD, Microsoft's cloud-based identity and access management service.



## TOPICS

### Basics

In order to understand the attackability of Active Directory, one must understand the basic concepts, the structure of the directory service and the protocols used. Forests, domains and domain controllers as well as NetNTLM or Kerberos must no longer be foreign words.

Target group: CISOs • administrators • IT managers • IT security employees

## Attack scenarios

Misconfigurations, inadequate hardening or overly generous assignment of rights create gateways for attackers, who can thus succeed in taking over the entire Active Directory and pursuing their criminal goals. Attacks such as Golden Ticket, DCSync, Petit Potam, Pass the Hash, Password Spraying and many more pave the way for them.

## Defense Strategies

Much can be gained if administrators know their AD well and are able to disable unnecessary functions, allow access to resources only when necessary, and give users only the most essential rights. Especially with the latter, a rigid rights management, the security of the Active Directory stands and falls. Other aspects of securing an AD also include the right password strategy, new security approaches such as Zero Trust, forensic traceability of attacks, and support from products in the prevention and aftermath of any attacks.

## Azure AD

Microsoft's cloud-based directory service Azure AD is being used more and more - sometimes also in combination with local AD in hybrid operation. This creates new vulnerabilities in addition to the already known ones. This chapter describes the special features of Azure AD and how to use it securely.

*Subject to editorial changes*



**iX kompakt**  
**„AD-Security“**  
**special issue**  
from September 21,  
2023

**Target group: CISOs • administrators • IT managers • IT security employees**

Security communication NEW thought



# Das Infotorial im iX Kompakt Security

(On sale: September 21, 2023)

**Your exclusively designed advertising format in iX Kompakt Security 2023!**

The Infotorial visualizes your key message on a double page using graphics, icons or picture elements. Short texts about your technology, your products / services complete the Infotorial and bring your offers to the readers in a new modern format. An HR-torial can also be placed if you want to present yourself as an employer to the readers.

Our IT readers are used to accessing information via a dashboard view and deriving a context for their daily work from the combination of images and text. This learned text-image combination is used here to convey your message to the reader in the shortest possible time.

[mediadaten.heise.de](https://mediadaten.heise.de)

## YOUR ADVANTAGES

In addition to the 2/1 page 4c media space in the iX magazine (print + app), the offer includes the conception and graphic implementation of your advertising material. In consultation with you, we will develop an information material and make it available to you for further use after publication.

**Your test offer for media + conception:  
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"The Heise Group stands for high-quality media and information in the online, mobile and print areas. Our media offerings include investment computer titles such as iX and iX Kompakt, innovative apps and informative web sites such as heise online, one of the most frequently visited German specialist internet sites. In the directory media area, we publish 130 issues of the Brillia, 20 issues of Galileo Science and Galileo Science regional and 17 issues of the Technikbuch - as a printed medium, on the web and as an app for smartphones and tablets."

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*Infotorial, example*

## DID YOU KNOW THAT ...

... around **45%** want to chat up **developer tools**, **35% enterprise solutions**, **42% system tools (monitoring, etc.)** and **33% virtualisation software**?

... **more than every 2nd reader** says that he or she can't get information anywhere else?

... **63%** of iX readers are **personally involved in making decisions on investments in the ICT sector** and the associated services?

... **over 82%** think that iX provides the knowledge for the communication technology of tomorrow?

... that Machine Learning is always one of the top topics in iX for **62%** of iX readers?

... **88%** appreciate the innovative and future-oriented topics of iX?

... **42%** of iX readers **work in large companies** with **1,000 or more employees**?

... iX readers on average use **6 applications** from the field of new technologies?

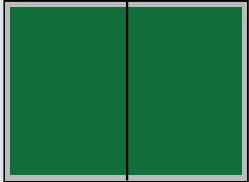
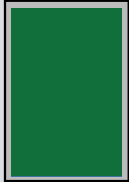


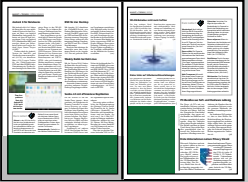
... almost every **second reader** is a software developer with a position in corporate management and IT?

Source: iX reader survey January / February 2022, n=1,018

Target group: **CISOs • administrators • IT managers • IT security employees**

# RATES AND FORMATS 2023

**Example** for ads in 4c

2/1 pages	1/1 page	1/2 page	1/3 page	1/4 page
				
a) Type Area: 390 x 260 b) Bleed: 420 x 297*	a) 185 x 260 b) 210 x 297*	a) 185 x 128 b) 210 x 149*	a) 185 x 84 b) 210 x 107*	a) 185 x 62 b) 210 x 80*
€ 6,540	€ 3,475	€ 2,050	€ 1,540	€ 1,180

All size: Width x height in mm \*) Trim allowance for bleeds 3 mm bleed overall. BW ads and other formats on request!

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DATES	
Space close:	29 August 2023
Materials:	31 August 2023
On sale:	21 September 2023

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Volume:	around 140 – 160 pages
Print run:	20,000 copies



- surcharge for cover pages: 25 %
- 15 % agency commission possible
- other formats on request
- all rates excluding VAT

Ask us about attractive combination options with the monthly iX magazine, ix.de or the heise Developer online channel.

# TARGETED RECRUITING



**Your job advertisement in the special issue „AD-Security“.** With a print run of 25,000 copies, the iX kompakt is a guide for security consultants, consultants, administrators, IT managers, CIOs and CSOs.

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Karl-Heinz Kremer, +49 0 6335 9217 0, [karlheinz.kremer@heise.de](mailto:karlheinz.kremer@heise.de)

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1/1 page	1/2 page	1/3 page	1/4 page
a) 185 x 260 b) 210 x 297*	a) 185 x 128 b) 210 x 149* 90 x 260 103 x 297*	a) 185 x 84 b) 210 x 107*	a) 185 x 62 b) 210 x 80* 90 x 128
€ 2,200	€ 1,500	€ 1,200	€ 900

All size: Width x height in mm \*) Trim allowance for bleeds 3 mm bleed overall.  
BW ads and other formats on request!

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Let us develop ideas for your media plan together!

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