Active Directory Security
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 NetNTML 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
The infotorial in iX Kompakt Security

(On sale: April 11, 2022)

Your exclusively designed advertising format in iX Kompakt Security 2022!

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.

YOUR ADVANTAGES:
Next to the 2/1 page 4c media area in the iX special (print + app), the offer includes the conception as well as the graphic implementation of your advertising material. In consultation with you, we will develop an infotorial and make it available for your further use after its publication.

Your test offer for media + conception:
Net: € 5,990

Working at Heise

“The Heise Group stands for high-quality media and information in the online, mobile and print areas. Our media offerings include renowned computer titles such as c’t and iX, innovative apps and informative websites such as heise online, one of the most frequently visited German special interest sites. In the directory media area, we publish 136 issues of Das Örtliche, 35 issues of Gelbe Seiten and Gelbe Seiten regional and 17 issues of Das Telefonbuch – as a printed medium, on the web and as an app for smartphones and tablets.”

Connection
Whether by bus, train, car or bicycle: Heise is easy and convenient to reach.

Sports & health
Benefit from our cooperation with fitness studios and swimming pools at cost-effective rates.

Further education
Lifelong learning is a priority for us. With the help of internal and external training and other offers, you will get fit for today’s and future challenges.

Capital-forming benefits
Whatever investment form you choose. We will support you with an allowance in addition to your salary.

Events
Summer barbecue, public viewing, Christmas party and co.: Celebrate with your team and reward yourself for your work!

Flexible working hours
Our various time models, such as flexitime or mobile working, enable you to find the perfect balance between job and leisure time.

Heise Gruppe
Karl-Wiechert-Allee 10
30625 Hanover
Germany

www.heise-gruppe.de

mediadaten.heise.de
DID YOU KNOW THAT...

... almost 50% want to purchase data protection solutions, 35% business solutions, 49% network hardware, 53% virtualisation software?

... more than every 2nd reader says that he gets these information nowhere else?

... 64% of the iX-readers are sole decisionmakers / co-deciders on ICT purchases and related services in the company?

... 86% appreciate the innovative and forward-looking issues of iX?

... 38% of the iX-reader work in large companies with more than 1,000 employees?

... 41% of the iX-readers use five or more applications with focus on new technologies?

... every 10th reader is IT security officer?

... more than 80% believe in iX as a gatekeeper of future communication technology knowledge?

... that IT security is always/often one of the top iX topics for 89% of iX readers?

Source: iX-readership survey January / February 2019, base n=1.018, *in the next 12 months

Target group: CISOs • administrators • IT managers • IT security employees
RATES AND FORMATS 2022

Example for ads in 4c

<table>
<thead>
<tr>
<th>2/1 pages</th>
<th>1/1 page</th>
<th>1/2 page</th>
<th>1/3 page</th>
<th>1/4 page</th>
</tr>
</thead>
<tbody>
<tr>
<td>![Image]</td>
<td>![Image]</td>
<td>![Image]</td>
<td>![Image]</td>
<td>![Image]</td>
</tr>
<tr>
<td>a) Type Area: 390 x 260</td>
<td>a) 185 x 260</td>
<td>a) 185 x 128</td>
<td>a) 185 x 84</td>
<td>a) 185 x 62</td>
</tr>
<tr>
<td>b) Bleed: 420 x 297*</td>
<td>b) 210 x 297*</td>
<td>b) 210 x 149*</td>
<td>b) 210 x 107*</td>
<td>b) 210 x 80*</td>
</tr>
<tr>
<td>![Image]</td>
<td>![Image]</td>
<td>![Image]</td>
<td>![Image]</td>
<td>![Image]</td>
</tr>
<tr>
<td>![Image]</td>
<td>![Image]</td>
<td>![Image]</td>
<td>![Image]</td>
<td>![Image]</td>
</tr>
<tr>
<td>![Image]</td>
<td>![Image]</td>
<td>![Image]</td>
<td>![Image]</td>
<td>![Image]</td>
</tr>
<tr>
<td>![Image]</td>
<td>![Image]</td>
<td>![Image]</td>
<td>![Image]</td>
<td>![Image]</td>
</tr>
<tr>
<td>![Image]</td>
<td>![Image]</td>
<td>![Image]</td>
<td>![Image]</td>
<td>![Image]</td>
</tr>
</tbody>
</table>

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

Ad specials like loose inserts (€180 per thsd) or bind-ins (e.g. 2 pages €120 per thsd) are effective attention catchers – let us know your favourite!

**DATES**

- Space close: 08 March 2022
- Materials: 14 March 2022
- On sale: 11 April 2022

**KEY FACTS**

- Volume: around 140 – 160 pages
- Print run: 25,000 copies

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

Ask us about attractive combination bundles with iX, ix.de or the heise Developer Channel.
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.

With an image ad, you can introduce your company as an attractive employer or you can draw attention with a specific job vacancy. In any case, you can reach an exclusive target group, particularly interested in continuing to work in this area and staying on the ball.

Your contact for job offers:
Karl-Heinz Kremer, +49 0 6335 9217 0, karlheinz.kremer@heise.de

Job offers: Example for ads in 4c

<table>
<thead>
<tr>
<th>1/1 page</th>
<th>1/2 page</th>
<th>1/3 page</th>
<th>1/4 page</th>
</tr>
</thead>
<tbody>
<tr>
<td>![Image]</td>
<td>![Image]</td>
<td>![Image]</td>
<td>![Image]</td>
</tr>
<tr>
<td>€ 2,200</td>
<td>€ 1,500</td>
<td>€ 1,200</td>
<td>€ 900</td>
</tr>
</tbody>
</table>

a) 185 × 260
b) 210 × 297*
a) 185 × 128
b) 210 × 149*
a) 185 × 84
b) 210 × 107*
a) 185 × 62
b) 210 × 80*

All size: Width x height in mm *) Trim allowance for bleeds 3 mm bleed overall.
BW ads and other formats on request!
Let us develop ideas for your media plan together!

**Michael Hanke**  
**Group Sales Director**  
Phone: +49 (0)511 5352-167  
E-mail: michael.hanke@heise.de

**Tarik El-Badaoui**  
**Sales Director iX + heise Developer**  
Phone: +49 (0)511 5352-395  
E-mail: tarik.el-badaoui@heise.de

**Ellrik Freienberg**  
**Account Manager**  
Phone: +49 (0)511 5352-891  
E-mail: ellrik.freienberg@heise.de

**Roberto Giordano**  
**Account Manager**  
Phone: +49 (0)511 5352-817  
E-mail: roberto.giordano@heise.de

**Corven Krenke**  
**Junior Sales Manager**  
Phone: +49 (0)511 5352-595  
E-mail: corven.krenke@heise.de

**Bastian Laudien**  
**Sales Director Digital**  
Phone: +49 (0)511 5352-743  
E-mail: bastian.laudien@heise.de