

# Zero Trust Security

## Un acercamiento a la seguridad “Zero Trust”

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# En el momento actual, TODO SE ACELERA

— Nuevas tecnologías, pandemias, social media,..

Trabajo en remoto

Más dispositivos conectados

Más vías de acceso a datos

Aumento de datos a gestionar

**The State of Cloud Security 2020 – Fugue**  
**NSA report Mitigating Cloud Vulnerabilities Jan 2020**



# Zero Trust

## Defined

A security concept centred on lowering the level of trust of your network and considering how you design and deploy the appropriate security controls based on the assumption that your network is hostile and cannot be trusted.



**HOY**    
**NO FIO**  
**MAÑANA**  
**TAMPOCO**

# ¿Cómo pensamos en Seguridad?

- Amenazas

Una **amenaza** es un fenómeno o proceso natural o causado por el ser humano que puede poner en peligro a un grupo de personas, sus cosas y su ambiente, cuando no son precavidos.

- Riesgos

El **riesgo** es la probabilidad de que una amenaza se convierta en un desastre. La vulnerabilidad o las amenazas, por separado, no representan un peligro. Pero si se juntan, se convierten en un **riesgo**, o sea, en la probabilidad de que ocurra un desastre.

**¿Ha surgido alguna nueva amenaza?**

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# ¿Han aumentado los riesgos?



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# Seguridad **centrada en el dato**

— Prioridad en un modelo orientado a la Identidad digital

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What if I can't trust anyone  
or anything inside or outside  
my network?

—

Can I still be secure?

# Untangling ZTS

## Key Dimensions

### First Dimension : Network

- Micro-segmentation to reduce blast radius
- Discover the assets on your network
- Know your architecture & data flow
- Protective monitoring



# Untangling ZTS

## Key Dimensions

### Second Dimension : Identities

- Users, Service & Device Identities
- Authenticate & Authorize everywhere
- Robust access policies



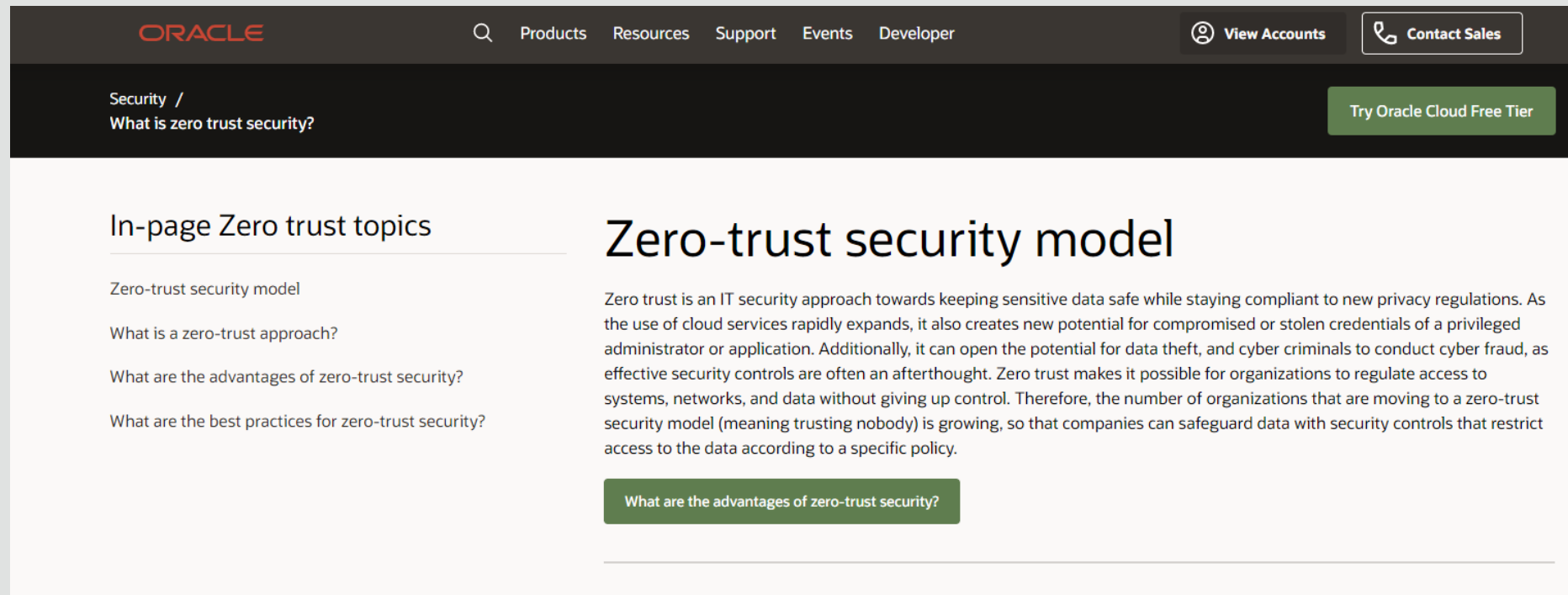
# Untangling ZTS

## Key Dimensions

### Third Dimension : Services

- Design self-securing services for Zero-trust
- Security Controls for layered defence
- Monitor the health
- Real-time threat detection
- Look for standards

# ¿Dónde aprender más?



The screenshot shows the Oracle website's navigation bar with the Oracle logo, search icon, and links for Products, Resources, Support, Events, and Developer. On the right, there are buttons for 'View Accounts' and 'Contact Sales'. Below the navigation bar, the breadcrumb trail reads 'Security / What is zero trust security?' and a green button labeled 'Try Oracle Cloud Free Tier' is visible. The main content area features a sidebar with 'In-page Zero trust topics' containing links for 'Zero-trust security model', 'What is a zero-trust approach?', 'What are the advantages of zero-trust security?', and 'What are the best practices for zero-trust security?'. The main article is titled 'Zero-trust security model' and contains a paragraph explaining the concept. A green button at the bottom of the article is labeled 'What are the advantages of zero-trust security?'.

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Security /  
What is zero trust security?

Try Oracle Cloud Free Tier

## In-page Zero trust topics

- Zero-trust security model
- What is a zero-trust approach?
- What are the advantages of zero-trust security?
- What are the best practices for zero-trust security?

## Zero-trust security model

Zero trust is an IT security approach towards keeping sensitive data safe while staying compliant to new privacy regulations. As the use of cloud services rapidly expands, it also creates new potential for compromised or stolen credentials of a privileged administrator or application. Additionally, it can open the potential for data theft, and cyber criminals to conduct cyber fraud, as effective security controls are often an afterthought. Zero trust makes it possible for organizations to regulate access to systems, networks, and data without giving up control. Therefore, the number of organizations that are moving to a zero-trust security model (meaning trusting nobody) is growing, so that companies can safeguard data with security controls that restrict access to the data according to a specific policy.

What are the advantages of zero-trust security?

# Gracias

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**KEEP  
CALM  
AND  
LOVE  
SECURITY**