



WTR

WORKSHOP
DE TECNOLOGIA DE REDES DO POP-RS

> 2021

Como o tempo é
seu inimigo no
tratamento de
Incidentes

Rildo Souza

22
SET

SEGURANÇA DA INFORMAÇÃO NA RNP

CAIS

CSIRT de coordenação da rede acadêmica brasileira.
Gestão da segurança do RNP, backbone e dos clientes da RNP.

Soluções em segurança

Atendimento a demandas por soluções de segurança dos clientes da RNP.
Foco na consultoria de segurança em projetos especiais.

Relações Institucionais

Gestão de relacionamento com clientes e parceiros estratégicos da RNP, com o foco em segurança da informação.





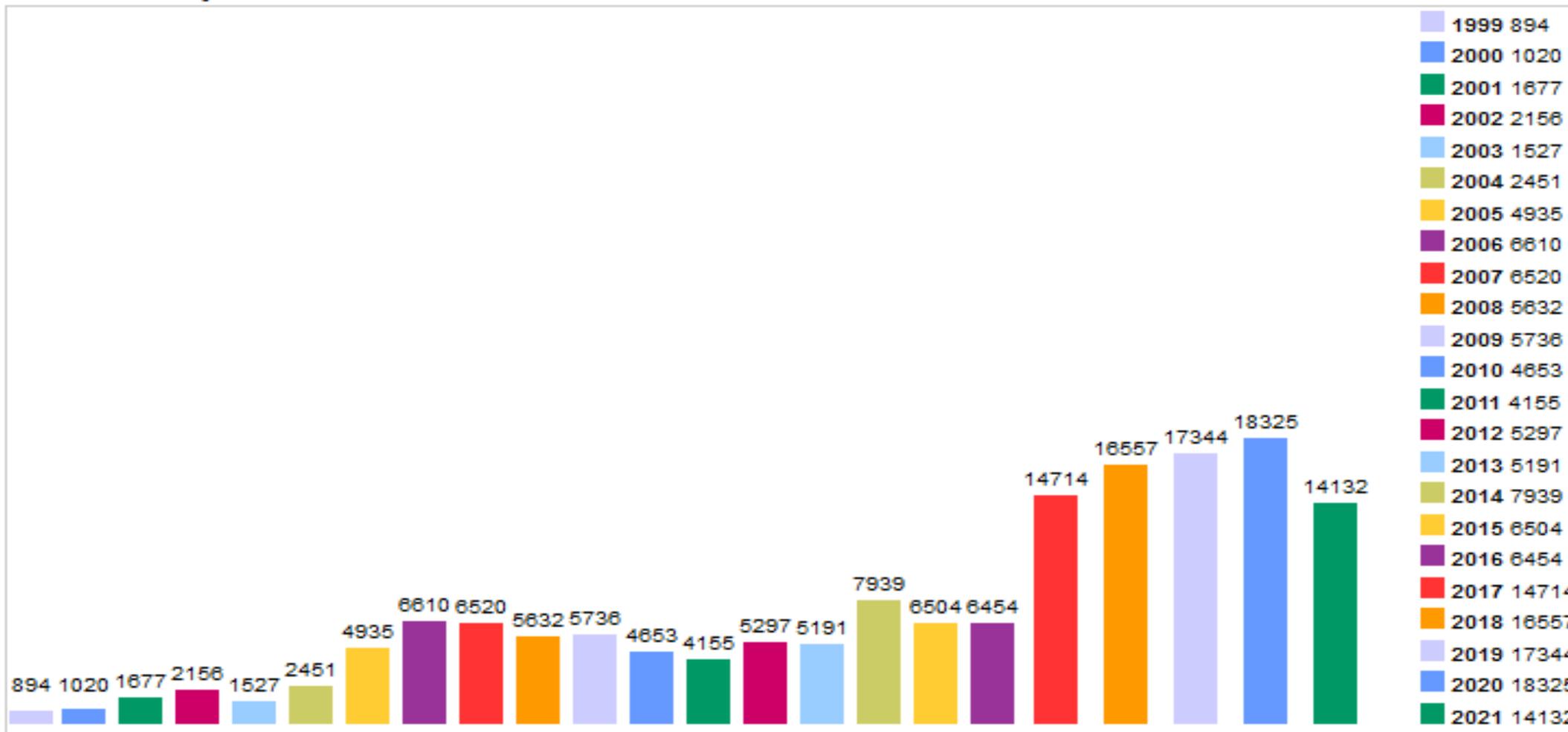
Centro de Atendimento a Incidentes de Segurança

Detecção, resolução e prevenção.



Vulnerabilidades mundo

Vulnerabilities By Year



2020 -
Média/mês =
1527

2021 -
Média/mês =
1570*

Fonte: <https://www.cvedetails.com/browse-by-date.php>

*Setembro

Vulnerabilidades Críticas



CVE Details

The ultimate security vulnerability datasource

(e.g.: CVE-2009-1234 or 2010-1234 or 20101234)

 Search

 View CVE

[Log In](#) [Register](#)

[Vulnerability Feeds & Widgets^{New}](#) www.itsecdb.com

[Switch to https://](#)

[Home](#)

Browse :

[Vendors](#)

[Products](#)

[Vulnerabilities By Date](#)

[Vulnerabilities By Type](#)

Reports :

[CVSS Score Report](#)

[CVSS Score Distribution](#)

Search :

[Vendor Search](#)

[Product Search](#)

[Version Search](#)

[Vulnerability Search](#)

[By Microsoft References](#)

Top 50 :

[Vendors](#)

[Vendor Cvss Scores](#)

[Products](#)

[Product Cvss Scores](#)

[Versions](#)

Other :

[Microsoft Bulletins](#)

[Bugtraq Entries](#)

[CVE Definitions](#)

[About & Contact](#)

[Feedback](#)

[CVE Help](#)

[FAQ](#)

[Articles](#)

External Links :

[NVD Website](#)

[CVE Web Site](#)

View CVE :

Security Vulnerabilities (CVSS score between 9 and 10)

CVSS Scores Greater Than: [0](#) [1](#) [2](#) [3](#) [4](#) [5](#) [6](#) [7](#) [8](#) [9](#)

Sort Results By : [CVE Number Descending](#) [CVE Number Ascending](#) [CVSS Score Descending](#) [Number Of Exploits Descending](#)

[Copy Results](#) [Download Results](#)

#	CVE ID	CWE ID	# of Exploits	Vulnerability Type(s)	Publish Date	Update Date	Score	Gained Access Level	Access	Complexity	Authentication	Conf.	Integ.	Avail.
1	CVE-2021-40494	798			2021-09-03	2021-09-10	10.0	None	Remote	Low	Not required	Complete	Complete	Complete
A Hardcoded JWT Secret Key in metadata.py in AdaptiveScale LXDUUI through 2.1.3 allows attackers to gain admin access to the host system.														
2	CVE-2021-40387			Exec Code	2021-09-01	2021-09-07	9.0	None	Remote	Low	???	Complete	Complete	Complete
An issue was discovered in the server software in Kaseya Unitrends Backup Software before 10.5.5-2. There is authenticated remote code execution.														
3	CVE-2021-40385	269			2021-09-01	2021-09-07	9.0	None	Remote	Low	???	Complete	Complete	Complete
An issue was discovered in the server software in Kaseya Unitrends Backup Software before 10.5.5-2. There is a privilege escalation from read-only user to admin.														
4	CVE-2021-39847	121		Exec Code Overflow	2021-09-01	2021-09-09	9.3	None	Remote	Medium	Not required	Complete	Complete	Complete
XMP Toolkit SDK version 2020.1 (and earlier) is affected by a stack-based buffer overflow vulnerability potentially resulting in arbitrary code execution in the context of the current user. Exploitation requires user interaction in that a victim must open a crafted file.														
5	CVE-2021-39817	119		Exec Code Overflow Mem. Corr.	2021-09-01	2021-09-08	9.3	None	Remote	Medium	Not required	Complete	Complete	Complete
Adobe Bridge version 11.1 (and earlier) is affected by a memory corruption vulnerability due to insecure handling of a malicious Bridge file, potentially resulting in arbitrary code execution in the context of the current user. User interaction is required to exploit this vulnerability.														
6	CVE-2021-39816	119		Exec Code Overflow Mem. Corr.	2021-09-01	2021-09-08	9.3	None	Remote	Medium	Not required	Complete	Complete	Complete
Adobe Bridge version 11.1 (and earlier) is affected by a memory corruption vulnerability due to insecure handling of a malicious Bridge file, potentially resulting in arbitrary code execution in the context of the current user. User interaction is required to exploit this vulnerability.														
7	CVE-2021-39615	798			2021-08-23	2021-08-30	10.0	None	Remote	Low	Not required	Complete	Complete	Complete
** UNSUPPORTED WHEN ASSIGNED ** D-Link DSR-500N version 1.02 contains hard-coded credentials for undocumented user accounts in the '/etc/passwd' file.If an attacker succeeds in recovering the cleartext password of the identified hash value, he will be able to log in via SSH or Telnet and thus gain access to the underlying embedded Linux operating system on the device. Fixed in version 2.12/2. NOTE: This vulnerability only affects products that are no longer supported by the maintainer.														
8	CVE-2021-39608	434		Exec Code	2021-08-23	2021-09-14	9.0	None	Remote	Low	???	Complete	Complete	Complete
Remote Code Execution (RCE) vulnerability exists in FlatCore-CMS 2.0.7 via the upload addon plugin, which could let a remote malicious user execute arbitrary php code.														
9	CVE-2021-39279	78			2021-09-07	2021-09-09	9.0	None	Remote	Low	???	Complete	Complete	Complete
Certain MOXA devices allow Authenticated Command Injection via /forms/web_importTFTP. This affects WAC-2004 1.7, WAC-1001 2.1, WAC-1001-T 2.1, OnCell G3470A-LTE-EU 1.7, OnCell G3470A-LTE-EU-T 1.7,														

*647 vulnerabilidades

CRÍTICAS

Fonte: <https://www.cvedetails.com/vulnerability->

[list.php?vendor_id=0&product_id=0&version_id=0&page=1&hasexp=0&opdos=0&opecc=0&opov=0&opcsrf=0&opgpriv=0&opsqli=0&opxss=0&opdir=0&opmcmc=0&ophtprs=0&opbyp=0&opfileinc=0&opginf=0&cvssscoremin=9&cvssscoremax=10&year=0&month=0&cwecid=0&order=1&trc=18757&sha=c560d509f935c26128bfb13d2f2da dfcea62215b](https://www.cvedetails.com/vulnerability-list.php?vendor_id=0&product_id=0&version_id=0&page=1&hasexp=0&opdos=0&opecc=0&opov=0&opcsrf=0&opgpriv=0&opsqli=0&opxss=0&opdir=0&opmcmc=0&ophtprs=0&opbyp=0&opfileinc=0&opginf=0&cvssscoremin=9&cvssscoremax=10&year=0&month=0&cwecid=0&order=1&trc=18757&sha=c560d509f935c26128bfb13d2f2da dfcea62215b)

*Setembro



TOP 10 MOST EXPLOITED VULNERABILITIES FROM 2020

1. **CVE-2020-0796**: Windows SMBv3 Client/Server Remote Code Execution Vulnerability (codename: *SMBGhost*)
2. **CVE-2020-5902**: F5 Networks BIG-IP TMUI RCE vulnerability
3. **CVE-2020-1472**: Microsoft Netlogon Elevation of Privilege (codename: *Zerologon*)
4. **CVE-2020-0601**: Windows CryptoAPI Spoofing Vulnerability (codename: *CurveBall*)
5. **CVE-2020-14882**: Oracle WebLogic Server RCE
6. **CVE-2020-1938**: Apache Tomcat AJP File Read/Inclusion Vulnerability (codename: *GhostCat*)
7. **CVE-2020-3452**: Cisco ASA and Firepower Path Traversal Vulnerability
8. **CVE-2020-0688**: Microsoft Exchange Server Static Key Flaw Could Lead to Remote Code Execution
9. **CVE-2020-16898**: Windows TCP/IP Vulnerability (codename: *Bad Neighbor*)
10. **CVE-2020-1350**: Critical Windows DNS Server RCE (codename: *SIGRed*)

SOURCE:  vFeed

Vulnerabilidades -> Incidentes nos clientes RNP

▼ Sep 21, 2020 @ 04:22:57.975 Vulnerabilidades/Configuração Incorreta

Expanded document

Table JSON

📅 @timestamp	Apr 24, 2021 @ 01:01:27.078
† @version	1
† Assunto	Host com o serviço SMB vulnerável
† Categoria	Vulnerabilidades/Configuração Incorreta
📅 Criado Em:	Sep 21, 2020 @ 04:22:57.975
📍 Endereço IP	
† Estado	RS

▼ Sep 23, 2020 @ 06:50:41.585 Vulnerabilidades/Configuração Incorreta

Expanded document

Table JSON

📅 @timestamp	Apr 24, 2021 @ 01:01:27.078
† @version	1
† Assunto	Host com o serviço SMB vulnerável
† Categoria	Vulnerabilidades/Configuração Incorreta
📅 Criado Em:	Sep 23, 2020 @ 06:50:41.585
📍 Endereço IP	
† Estado	RS

Vulnerabilidades -> Incidentes nos clientes RNP

▼ Sep 26, 2020 @ 02:59:02.807 Código Malicioso

Expanded document

Table JSON

@timestamp	Apr 24, 2021 @ 01:01:19.897
@version	1
Assunto	Host infectado com malware
Categoria	Código Malicioso
Criado Em:	Sep 26, 2020 @ 02:59:02.807
Endereço IP	
Estado	RS

▼ Sep 27, 2020 @ 11:44:49.016 Tentativa de intrusão

Expanded document

Table JSON

@timestamp	Apr 24, 2021 @ 01:01:26.953
@version	1
Assunto	Tentativas de acesso não autorizadas a sistemas por força bruta
Categoria	Tentativa de intrusão
Criado Em:	Sep 27, 2020 @ 11:44:49.016
Endereço IP	
Estado	RS

Porque é melhor tratar uma vulnerabilidade e não um incidente ?



It costs three times more to clean up an incident than to prevent one

Fonte: Tenable
https://pt-br.tenable.com/blog/the-cost-of-incident-response?tns_redirect=true



Como se proteger de incidentes de segurança da informação ?

Processo de Gestão de vulnerabilidades;

Processo de Gestão de Incidentes;

Monitoramento efetivo de recursos;

Hardening dos serviços utilizados.



DIÁRIO OFICIAL DA UNIÃO

Publicado em: 19/07/2021 | Edição: 134 | Seção: 1 | Página: 2

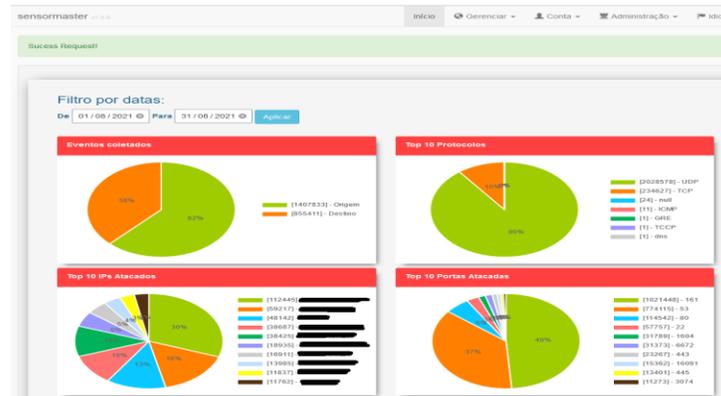
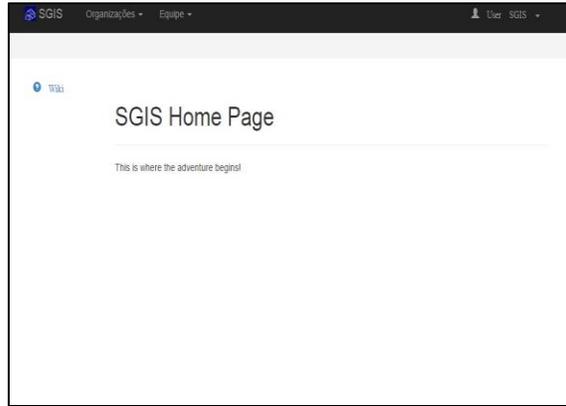
Órgão: Atos do Poder Executivo

DECRETO Nº 10.748, DE 16 DE JULHO DE 2021

Institui a Rede Federal de Gestão de Incidentes Cibernéticos.

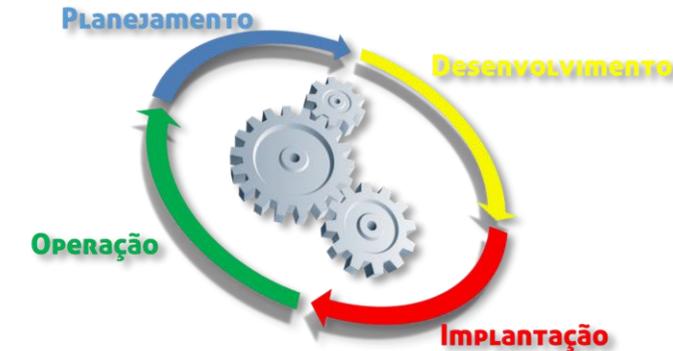
O PRESIDENTE DA REPÚBLICA, no uso da atribuição que lhe confere o [art. 84, caput, inciso VI, alínea "a", da Constituição](#),

Como a RNP pode te ajudar ?



IPv6

Estabelecimento de CSIRTs



Campanha Técnicas/Webinars/DISI

Projetos específicos

Obrigado!

Rildo Souza

rildo dot souza at rnp dot br

Telefone:

0800 722 0216



APOIO



REALIZAÇÃO



MINISTÉRIO DO
TURISMO

MINISTÉRIO DA
DEFESA

MINISTÉRIO DA
SAÚDE

MINISTÉRIO DAS
COMUNICAÇÕES

MINISTÉRIO DA
EDUCAÇÃO

MINISTÉRIO DA
CIÊNCIA, TECNOLOGIA
E INOVAÇÕES

