

# Prodeb Adopts More Aggressive Security Policy for State Government Data Protection

Government of Bahia strengthens security policy for state data and expands its operational efficiency with the use of the McAfee® security platform



**Prodeb (Companhia de Processamento de Dados do Estado da Bahia)**

**Customer Profile**

The technology and IT services provider of the Government of the State of Bahia in Brazil

**Industry**

Government

**IT Environment**

30 thousand endpoints among more than 20 secretaries and government agencies and serving more than 80 institutions

Prodeb provides IT services to approximately 80 government agencies in Bahia, one of the 26 states in Brazil. Its purpose is to ensure that the government has dominance in the application of ICT solutions to state administration agencies, which serve more than 13 million Bahian citizens. The organization uses McAfee and its integrated security platform to improve endpoint security. By using McAfee® Endpoint Security and integrating it with McAfee® Threat Intelligence Exchange and McAfee® Web Gateway, Prodeb has made nearly 30,000 devices much more secure, using fewer resources.

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## CASE STUDY

Since its inception in 1973, Prodeb has been a primary resource for servicing the government's IT needs. Prodeb installed its data center, expanded its high-speed optical network, and increased its processing and storage power. After this expansion, Prodeb sought solutions that would contribute to the total fulfillment of the state's IT demands, especially in the area of data security. Prodeb recognized the benefits of McAfee tools and its integrated security platform, which make devices more secure, reduce operational costs, and enable greater efficiency and effectiveness, even with a lean team.

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Today, Prodeb pays special attention to information security issues and supports the operation of the government 24/7.

"This security challenge has been intensified as a result of major events, such as political elections, which make the government a more attractive target for hackers," says Prodeb's Executive Director, Samuel Araújo. "The partnership with McAfee has elevated our security strategy to a new level of maturity. We can now streamline how meet customer demands, increase agency data protection, reduce security incidents, minimize connections to malicious sites."

### Search for Advanced Threat Protection Leads to McAfee

A few years ago, Prodeb's information security team realized that subscription-based terminal protection would soon be no longer sufficient to protect government terminals.

"When examining options for advanced threat protection, we opted for the integrated McAfee security platform, as all of our endpoints could share threat information with each other and with other systems in our environment through the Data Exchange Layer (DXL)," explains Prodeb's Director of Technological Infrastructure and Connectivity, Carlos Augusto Borges.

In addition to deploying McAfee® Complete Endpoint Threat Protection suite, Prodeb has also implemented McAfee Threat Intelligence Exchange to bidirectionally share global and local threat reputation information across the enterprise and integrate it with McAfee Web Gateway and McAfee® Network Security Platform intrusion prevention system (IPS).

"The integrated McAfee security platform allows more than 20 different sites, each with local administration, to manage security more easily and share information about threats," says Wlader Peres, Prodeb technology manager. "With McAfee, each individual site is more secure, as is our entire company."

#### Challenges

- Maintain business continuity 24/7
- Have the agility to continually adapt to new IT and communications needs for a diverse range of government entities
- Protect data and services despite being a high visibility cyberattack target

#### McAfee Solution

- McAfee® Complete Endpoint Threat Protection
- McAfee® ePolicy Orchestrator® (McAfee ePO™)
- McAfee® Threat Intelligence Exchange
- McAfee® Web Gateway
- McAfee® Network Security Platform

## CASE STUDY

### Simplified Advanced Threat Protection with Dynamic Application Containment and Machine Learning

When Prodeb team implemented McAfee Complete Endpoint Threat Protection, supported by XSITE, a McAfee partner, all the advanced threat protection features of Dynamic Application Containment (DAC) and Real Protect were put in place. DAC automatically quarantines grayware and suspicious “zero-day” threats when malicious behaviors are detected, preventing them from infecting Bahia Government systems or impacting users. Cloud-based Real Protect uses machine learning and continually updated global threat intelligence to investigate and classify threats, saving the insights it gains for future actions that can be taken automatically.

“DAC and Real Protect provide us with sophisticated detection capabilities that help stop malware before it can cause any damage,” says Peres.

### Threat Sharing Dramatically Reduce Security Incidents

Prodeb also integrated McAfee endpoint protection with McAfee Threat Intelligence Exchange and DXL Network to further boost endpoint protection.

“As soon as our McAfee-protected endpoints encounter a threat, they share that information instantly and automatically with all endpoints via the DXL Network and

McAfee Threat Intelligence Exchange. That keeps our whole environment better protected and saves endpoint computing resources and time that would otherwise have been spent on remediation,” asserts Peres.

A reputation broker, McAfee Threat Intelligence Exchange combines threat intelligence from imported global sources, such as McAfee® Global Threat Intelligence (McAfee® GTI) and third-party threat information with intelligence from endpoints, gateways, and other local sources and instantly shares this collective intelligence with all systems connected via DXL.

The organization also integrated McAfee Web Gateway with the DXL Network. If a user encounters a malicious website, McAfee Web Gateway immediately shares that information via DXL and McAfee Threat Intelligence Exchange so that other users are blocked from accessing it.

“Since implementing McAfee Endpoint Security and McAfee Threat Intelligence Exchange, the number of endpoint security incidents and evidence of malicious connections to the internet have plummeted across our enterprise,” observes Peres. “We have been extremely pleased with the effectiveness of this integration. We also intend that third-party products, not just McAfee solutions, be integrated into the ecosystem to share threat information.”

#### Results

- Faster time to protection across the enterprise, thanks to instant threat sharing
- Significant reduction in number of security incidents on the endpoint
- Decreased volume of user connections to malicious websites
- Easier, more efficient endpoint security administration with centralized console
- Foundation for expansion of unified security policies into the cloud
- Reputation stored for 3.5 million files used in the state network
- 60,000 malware files identified
- More than 100 new malware files per day

## CASE STUDY

### Easier Security Administration with McAfee ePO

Prodeb also values McAfee because of its intuitive McAfee® ePolicy Orchestrator® (McAfee® ePO™) central management console, which allows administrators to manage multiple security functionalities from a single pane of glass. Two part-time administrators at PRODEB use McAfee ePO dashboards and reports daily.

According to Peres, “McAfee ePO software allows them to quickly discover and act on malware-related issues. The McAfee central console is extremely valuable and increases the efficiency of our security administrators.”

### Foundation for Device-to-Cloud Expansion and Additional Benefits from Integrated Security Platform

Always keeping an eye on the future, Prodeb has made investments in its data center, with an emphasis on the acquisition of a private cloud solution to improve agility and flexibility. With the integrated McAfee security platform, the company has been building a solid foundation on which to extend its security policies in the cloud.

“It is nice to know that we can keep building on the McAfee integrated security platform, continuing to leverage it for the cloud, and reap additional benefits from it,” remarks Peres.

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“The integrated McAfee security platform allows more than 20 different sites, each with local administration, to more easily manage security and share threat information. With McAfee, each individual site is safer and so is our entire enterprise.”

— Wlader Peres, Technology Manager, Prodeb

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2821 Mission College Blvd.  
Santa Clara, CA 95054  
888.847.8766  
[www.mcafee.com](http://www.mcafee.com)

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