Brunei
DMARC & MTA-STS Adoption
Report 2024

Brunei DMARC & MTA-STS Adoption Report 2024

▶ Email authentication is non-negotiable when it comes to email security in 2024. Authenticating business emails not only maintains customer trust and prevents email-based cyber attacks, it is also a mandatory requirement by major ESPs like Google and Yahoo.

The following report provides a comprehensive analysis of the current state of DMARC, SPF, MTA-STS, and DNSSEC for 250 analyzed Brunei organizational domain names. The report provides deep insights into key statistics about email security adoption in the country and its resilience towards phishing and spoofing attacks.

DMARC & MTA-STS Overview

▶ What is DMARC?
▶ What is MTA-STS?

Assessing the Threat Landscape

In our Brunei DMARC and Email Authentication Adoption Report for 2024, we will address the following major concerns:

▶ What's the state of SPF and DMARC adoption?

▶ How prevalent is MTA-STS adoption?

▶ What's the DNSSEC enablement rate?

▶ How can Brunei improve email security to stop impersonation attacks?

▶ Which sectors are most vulnerable to phishing?
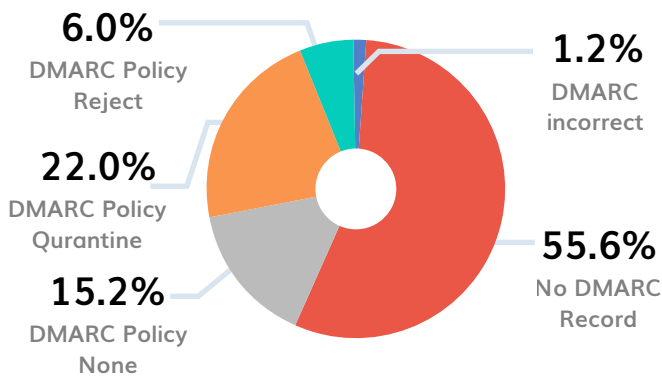
▶ How can organizations combat email-based threats?

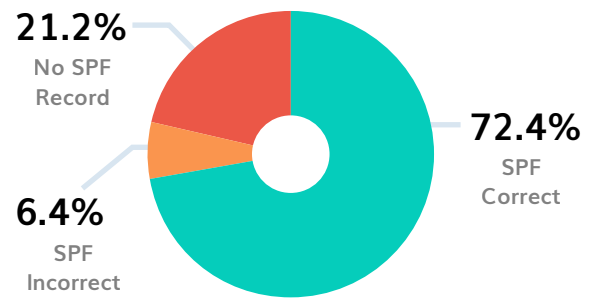# Sectors Analyzed

Total domains analyzed: 250

▶ Banking
▶ Education
▶ Government
▶ Healthcare

▶ Telecommunication
▶ Transport
▶ Miscellaneous - Businesses

What Do the Numbers Say?

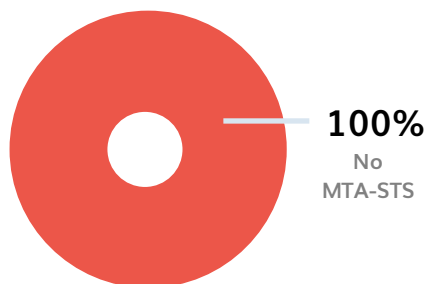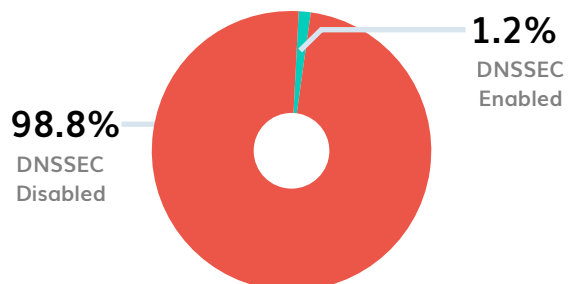## Brunei DMARC Adoption Analysis

6.0%
DMARC Policy Reject

22.0%
DMARC Policy Quarantine

15.2%
DMARC Policy None

1.2%
DMARC incorrect

55.6%
No DMARC Record

Brunei SPF Adoption Analysis

21.2%
No SPF Record

6.4%
SPF Incorrect

72.4%
SPF Correct

Brunei MTA-STS Adoption Analysis

100%
No MTA-STS

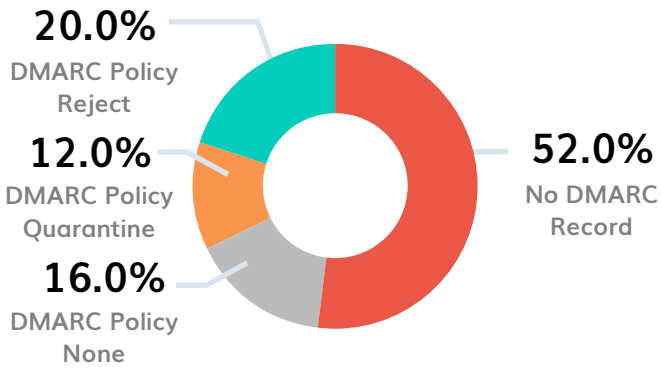## Brunei DNSSEC Adoption Analysis

1.2%
DNSSEC Enabled

98.8%
DNSSEC Disabled

Sector-wise Analysis of Domains in Brunei

Banking Sector

DMARC Adoption Analysis

20.0%
DMARC Policy Reject

12.0%
DMARC Policy Quarantine

16.0%
DMARC Policy None

52.0%
No DMARC Record

SPF Adoption Analysis

24.0%
No SPF Record

8.0%
SPF Incorrect

68.0%
SPF Correct

MTA-STS Adoption Analysis

100%
No MTA-STS

DNSSEC Adoption Analysis

100%
DNSSEC Disabled
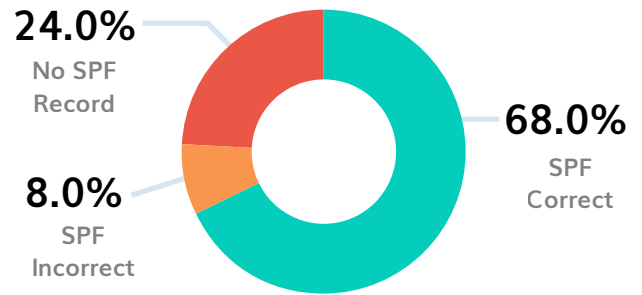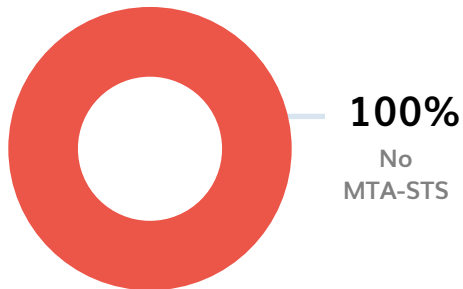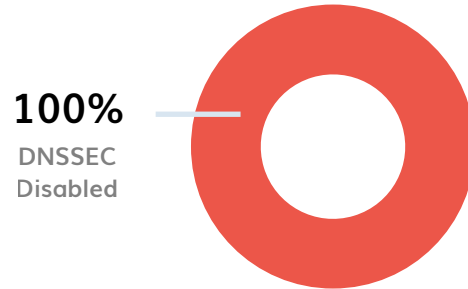
Education Sector

DMARC Adoption Analysis
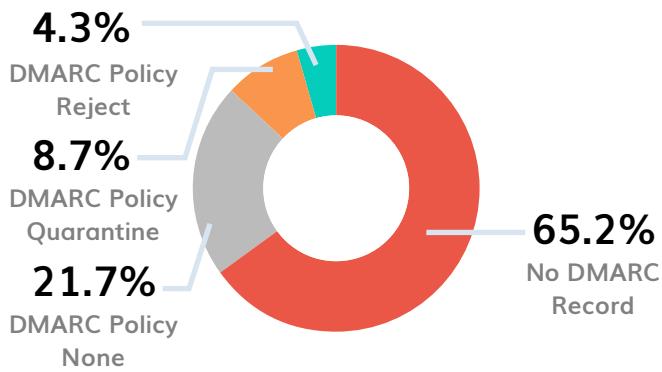
4.3%
DMARC Policy Reject

8.7%
DMARC Policy Quarantine

21.7%
DMARC Policy None

65.2%
No DMARC Record

SPF Adoption Analysis

26.1%
No SPF Record

73.9%
SPF Correct

MTA-STS Adoption Analysis

100%
No MTA-STS

DNSSEC Adoption Analysis

100%
DNSSEC Disabled
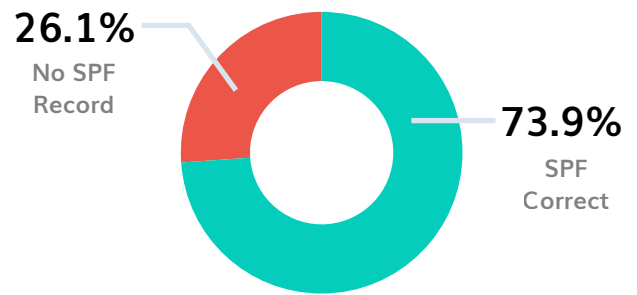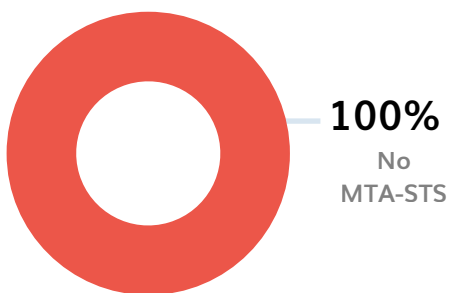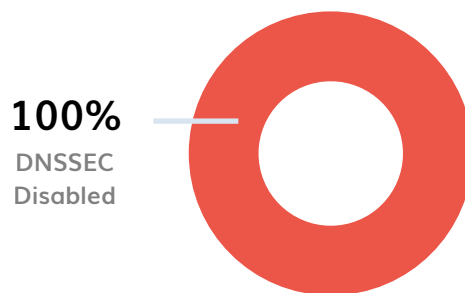
Government Sector

DMARC Adoption Analysis
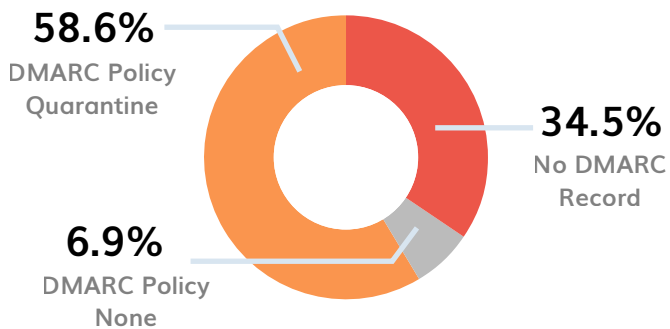
58.6%
DMARC Policy Quarantine

6.9%
DMARC Policy None

34.5%
No DMARC Record

SPF Adoption Analysis

25.9%
No SPF Record

74.1%
SPF Correct

MTA-STS Adoption Analysis

100%
No MTA-STS

DNSSEC Adoption Analysis

1.7%
DNSSEC Enabled

98.3%
DNSSEC Disabled
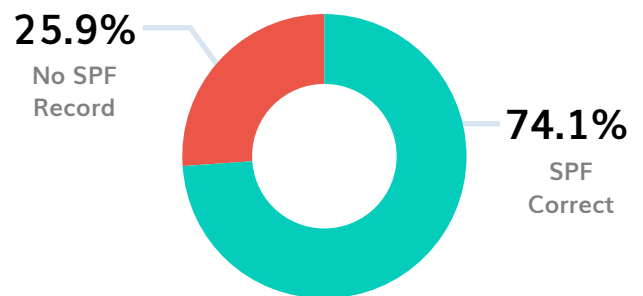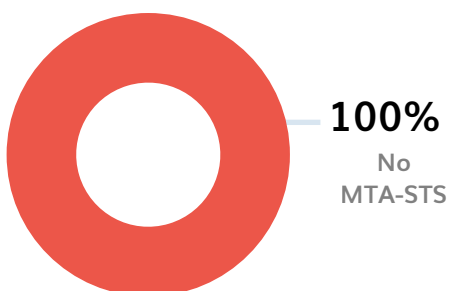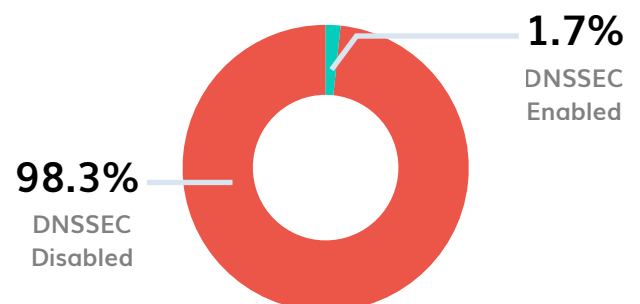
Healthcare Sector

DMARC Adoption Analysis
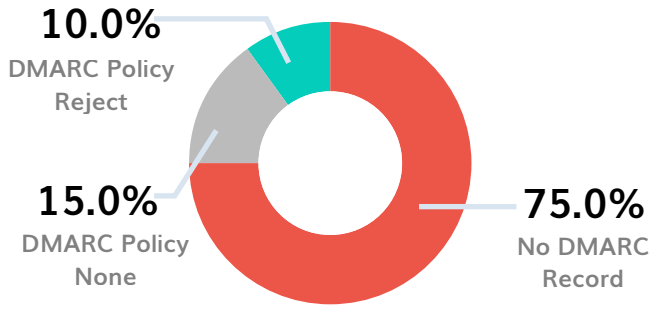
10.0%
DMARC Policy Reject

15.0%
DMARC Policy None

75.0%
No DMARC Record

SPF Adoption Analysis

80.0%
SPF Correct

20.0%
SPF Incorrect

MTA-STS Adoption Analysis

100%
No MTA-STS

DNSSEC Adoption Analysis

100%
DNSSEC Disabled
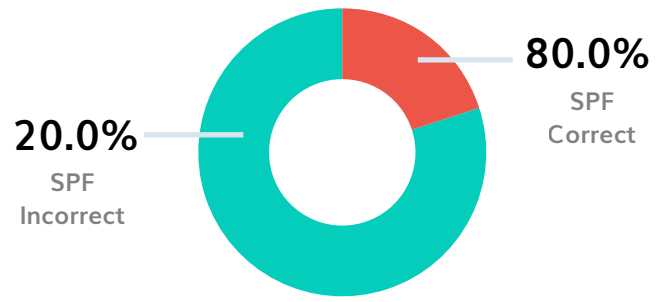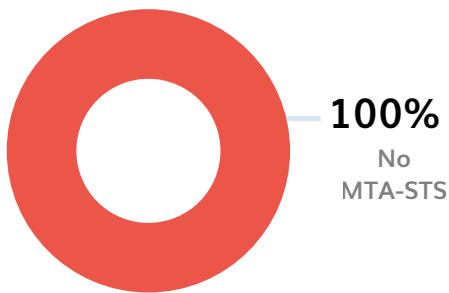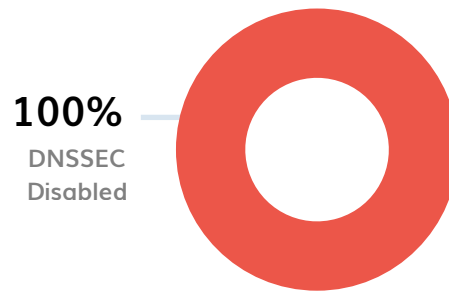
Telecom Sector

DMARC Adoption Analysis
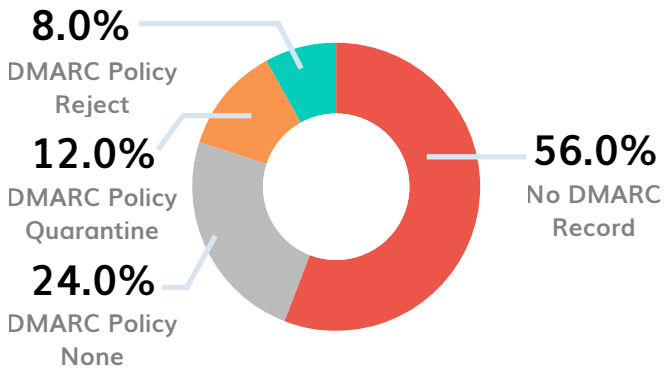
8.0%
DMARC Policy Reject

12.0%
DMARC Policy Quarantine

24.0%
DMARC Policy None

56.0%
No DMARC Record

SPF Adoption Analysis

28.0%
No SPF Record

4.0%
SPF Incorrect

68.0%
SPF Correct

MTA-STS Adoption Analysis

100%
No MTA-STS

DNSSEC Adoption Analysis

98.6%
DNSSEC Disabled

1.4%
DNSSEC Enabled
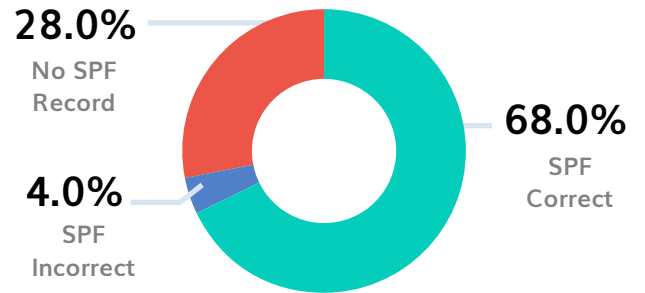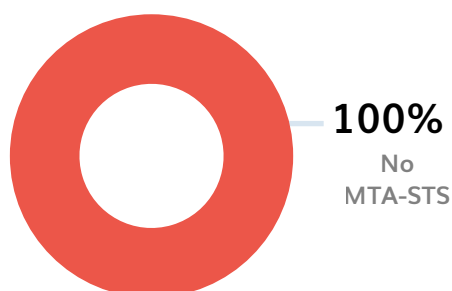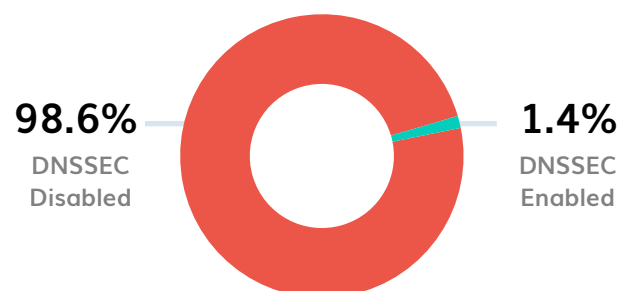
Transport Sector

DMARC Adoption Analysis
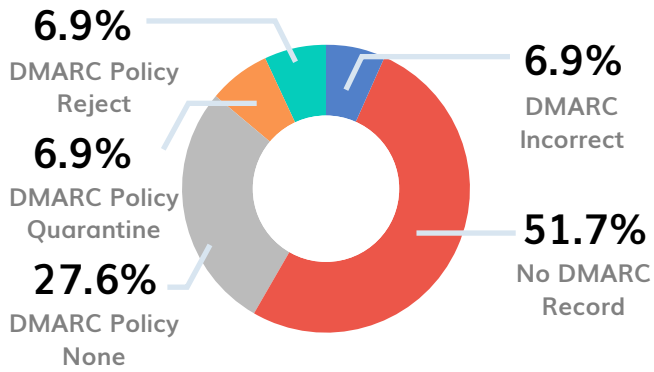
6.9% DMARC Policy Reject

6.9% DMARC Policy Quarantine

27.6% DMARC Policy None

6.9% DMARC Incorrect

51.7% No DMARC Record

SPF Adoption Analysis

6.9% No SPF Record

13.8% SPF Incorrect

79.3% SPF Correct

MTA-STS Adoption Analysis

100% No MTA-STS

DNSSEC Adoption Analysis

100% DNSSEC Disabled
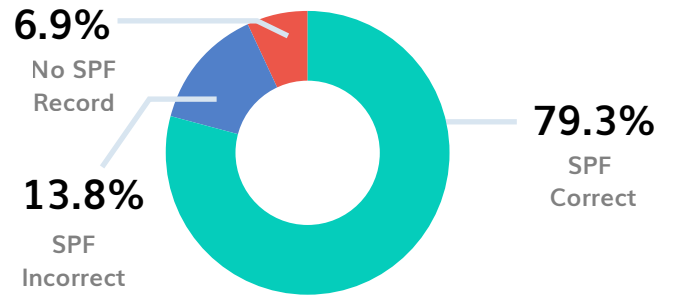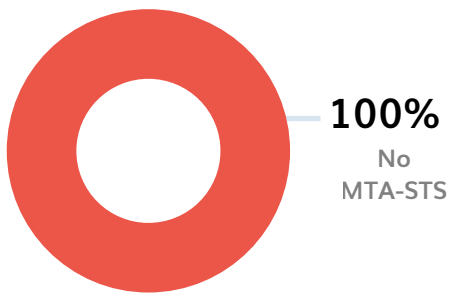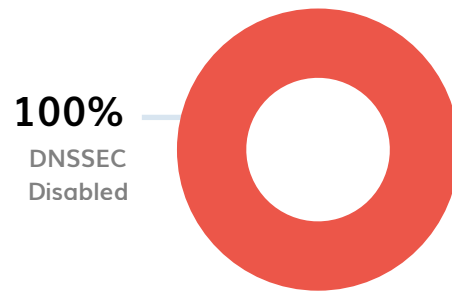
Miscellaneous Businesses

DMARC Adoption Analysis
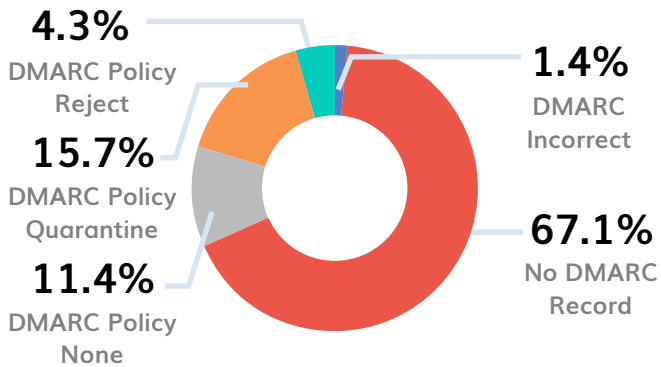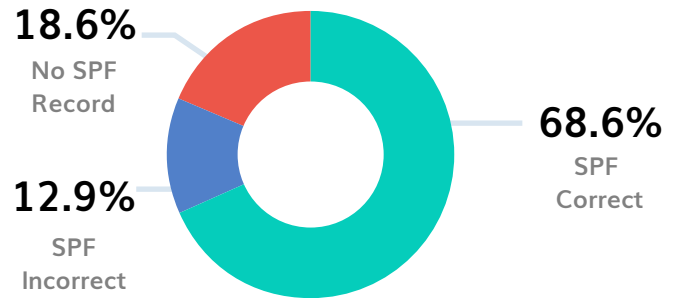
4.3% DMARC Policy Reject

15.7% DMARC Policy Quarantine

11.4% DMARC Policy None

1.4% DMARC Incorrect

67.1% No DMARC Record

SPF Adoption Analysis

18.6% No SPF Record

12.9% SPF Incorrect

68.6% SPF Correct

MTA-STS Adoption Analysis: Brunei Miscellaneous Businesses Sector

100% No MTA-STS

DNSSEC Adoption Analysis: Brunei Miscellaneous Businesses Sector

3.4% DNSSEC Enabled

96.6% DNSSEC Disabled
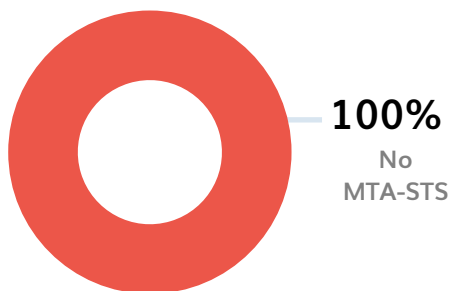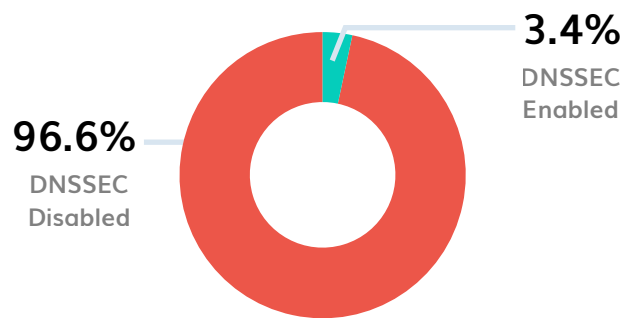
Comparative Analysis of SPF Adoption among Different Sectors in Brunei

Chart: % SPF Adoption by sector

Sector	SPF Correct	SPF Incorrect	No SPF Record
Banking	68.00%	8.00%	24.00%
Education	73.91%	0.00%	26.09%
Goverment	74.14%	0.00%	25.86%
Healthcare	80.00%	0.00%	20.00%
Miscellaneous - Businesses	68.57%	12.86%	18.57%
Telecom	68.00%	4.00%	28.00%
Transport	79.31%	13.79%	6.90%

Legend: ▇ SPF Correct ▇ SPF Incorrect ▇ No SPF Record
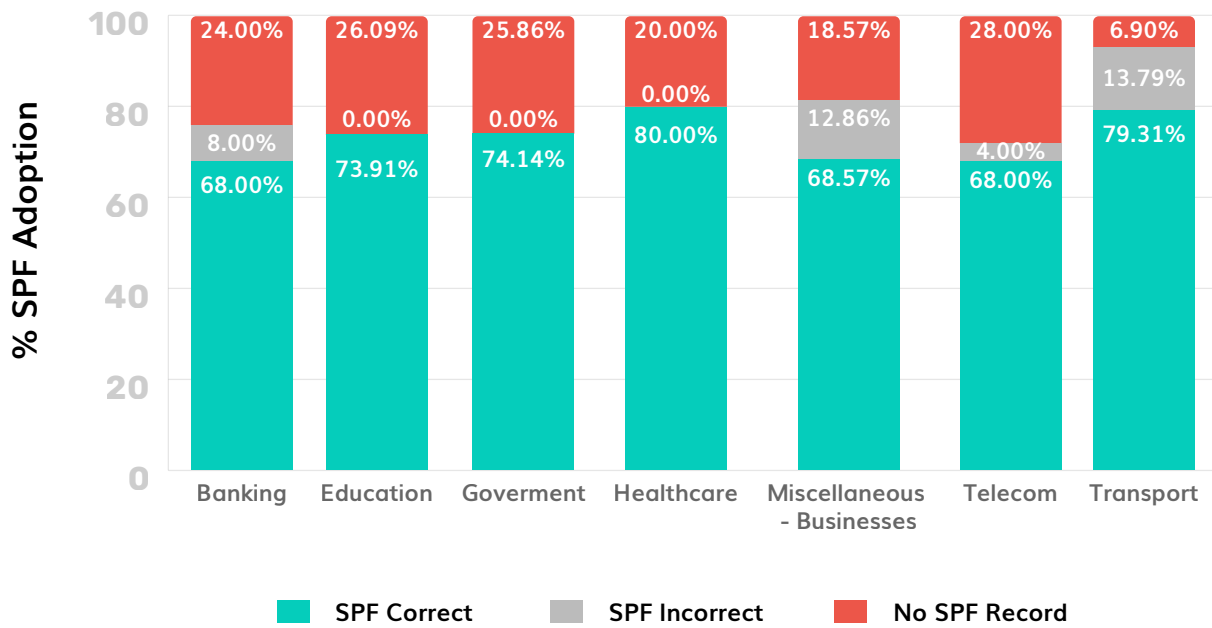
Comparative Analysis of DMARC Adoption among Different Sectors in Brunei

Chart: % DMARC Adoption by sector

Sector	DMARC Policy Reject	DMARC Policy Quarantine	DMARC Policy None	No DMARC Record	DMARC Incorrect
Banking	20.00%	12.00%	16.00%	52.00%	
Education	4.35%	8.70%	21.74%	65.22%	
Goverment		58.62%	6.90%	34.48%	
Healthcare	10.00%		15.00%	75.00%	
Miscellaneous - Businesses	4.29%	15.71%	11.43%	67.14%	1.43%
Telecom	8.00%	12.00%	24.00%	56.00%	
Transport	6.90%	6.90%	27.59%	51.72%	6.90%

Legend: ▇ DMARC Policy Reject ▇ DMARC Policy Quarantine ▇ DMARC Incorrect ▇ DMARC Policy None ▇ No DMARC Record

Comparative Analysis of MTA-STS Adoption among Different Sectors in Brunei

% MTA-STS Adoption

Banking	Education	Goverment	Healthcare	Miscellaneous - Businesses	Telecom	Transport
100%	100%	100%	100%	100%	100%	100%

- ■ MTA-STS Enforce
- ■ MTA-STS Testing
- ■ MTA-STS None
- ■ No MTA-STS
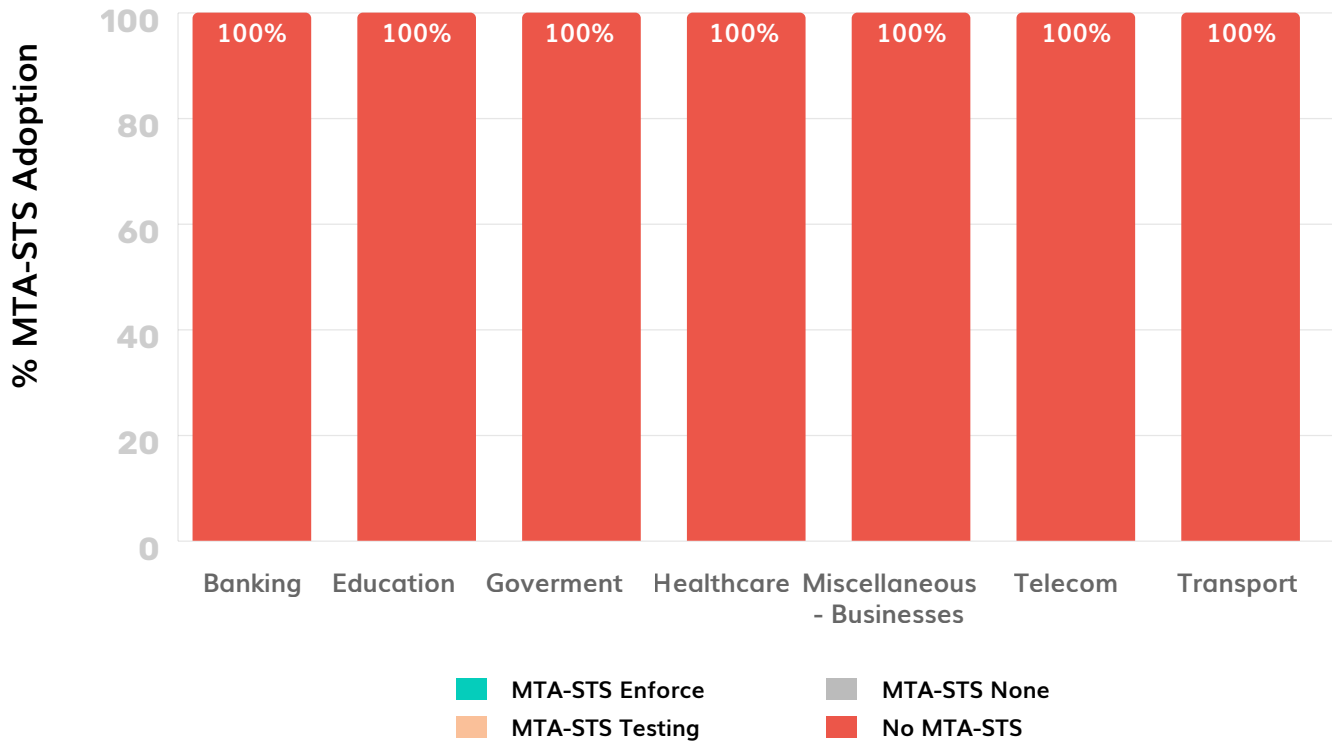
Comparative Analysis of DNSSEC Adoption among Different Sectors in Brunei

% DNSSEC Adoption

Banking	Education	Goverment	Healthcare	Miscellaneous - Businesses	Telecom	Transport
100%	100%	98.28%	100%	98.57%	100%	96.55%
		1.72%		1.43%		3.45%

- ■ DNSSEC Enabled
- ■ DNSSEC Disabled
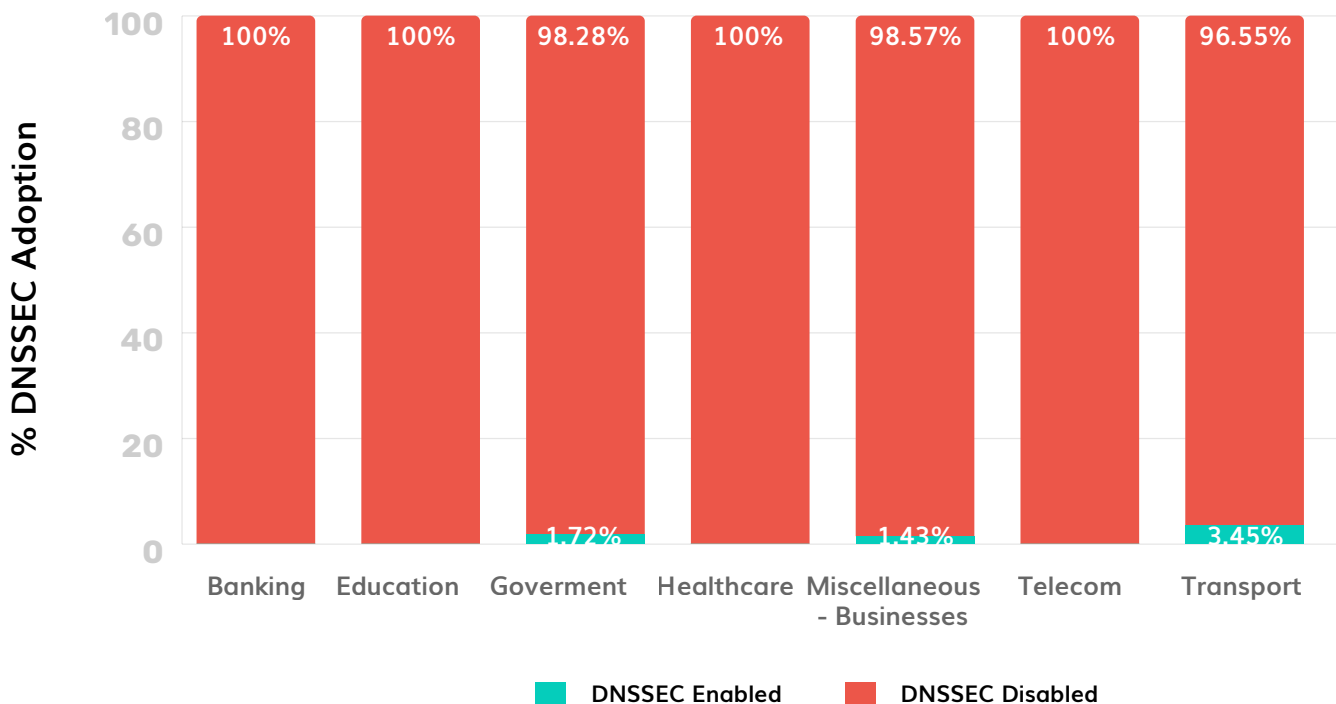
Brunei DMARC & MTA-STS Adoption Rates: Key Statistics

▶ **More than 70%** of organizations in the Brunei Healthcare sector **do not have DMARC implemented.**

▶ **More than 60%** of Brunei Educational Institutions **are not protected against spoofing attacks.**

▶ **Less than 20%** of business domains in Brunei **had enforced DMARC policies at p=reject**

▶ **Less than 2%** of business domains in Brunei **have DNSSEC enabled**

▶ **None** of the analyzed Brunei domains **have MTA-STS enabled**

# Critical Errors that Organizations in Brunei Are Making

From the analysis, we uncovered several critical errors organizations in Brunei were making when it came to implementing email authentication protocols and protecting their domain names. Let's discuss them:

1 Low DMARC configuration rates.

2 SPF and DMARC configuration errors

3 Usage of permissive DMARC policies like p=none

4 Lack of MTA-STS and TLS-RPT adoption and implementation

5 Very low DNSSEC enablement rates

6 SPF DNS lookups exceeding the limit of 10

7 Multiple DMARC/SPF records configured for the same domain

How Can Organizations in Brunei Improve Email Security & Deliverability?

▶ Given below are a few key recommendations for improving email security and deliverability among organizations and government entities in Brunei:

1 Stay within SPF DNS lookup limits and avoid SPF void errors.

2 Use automated tools for error-free SPF, DMARC, and MTA-STS records to reduce human

3 Publish singular SPF and DMARC records per domain.

4 Comply with Google and Yahoo's email sender requirements.

5 Gradually move from a p=none to a p=reject DMARC policy while monitoring DMARC

6 Enable MTA-STS and TLS-RPT for protection against MITM attacks.

7 Activate DNSSEC for secure DNS queries.

8 Use BIMI for branded email visual verification and authentication.
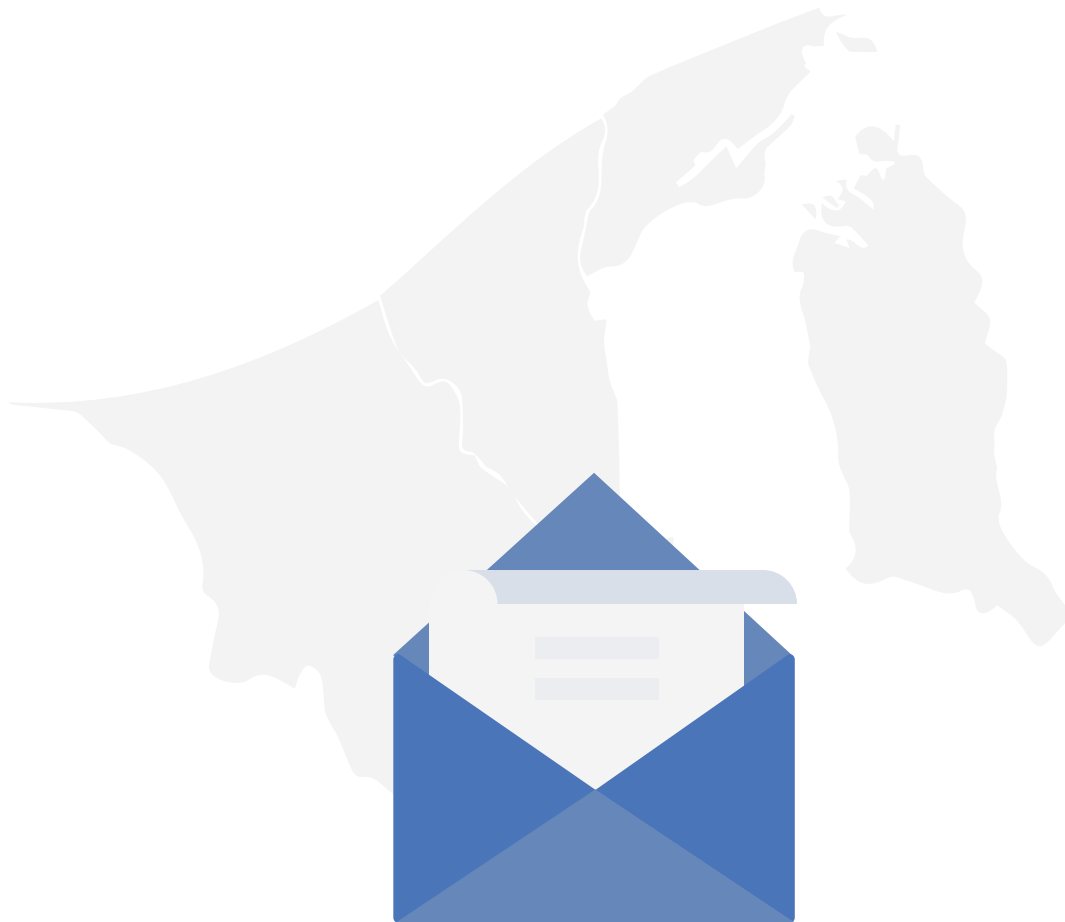
How Can PowerDMARC Help?

PowerDMARC provides an all-in-one email authentication solution for businesses of any size. We manage DMARC, SPF, DKIM, MTA-STS, TLS-RPT, and BIMI, giving you simplified DMARC reports and advanced AI-powered domain security insights.

We also offer DMARC MSP partnership opportunities with full-platform white-labeling support, video training, and rebranded marketing materials to help protect client domains and boost profits.

Let's join hands to increase the rate of DMARC & MTA-STS adoption and strengthen the email security infrastructure in businesses across Brunei and the Middle East. Contact us at support@powerdmarc.com to find out how we can help protect your domain and business today!