

Domain Name & Email Reputation Protection

This checklist is designed to help IT administrators secure their domain's email communication using SPF, DKIM, and DMARC.

These email authentication protocols ensure your organization's emails are not spoofed or tampered with and protect your domain's reputation by verifying the sender and preventing phishing or spam attacks.

1. Set Up SPF (Sender Policy Framework)

- Define which mail servers are allowed to send emails on behalf of your domain.
- Update your domain's DNS with an SPF record (e.g., `v=spf1 include:_spf.google.com ~all`).
- Test and validate your SPF record using tools like Google Admin Toolbox.

2. Set Up DKIM (DomainKeys Identified Mail)

- Enable DKIM signing in Google Workspace Admin Console.
- Generate DKIM keys and add the public key to your domain's DNS records.
- Ensure DKIM signing is enabled and verify that outgoing emails are being signed.

3. Set Up DMARC (Domain-based Message Authentication, Reporting, and Conformance)

- Create a DMARC policy to define how email providers handle unauthenticated emails (e.g., reject, quarantine, or none).
- Update your DNS records with a DMARC record (e.g., `v=DMARC1; p=quarantine; rua=mailto:dmarc-reports@yourdomain.com`).
- Monitor DMARC reports to assess unauthenticated emails and fine-tune your policies.

4. Test and Monitor Email Authentication

- Use email authentication testing tools to confirm SPF, DKIM, and DMARC are properly configured.
- Review DMARC reports periodically to identify unauthorized sending sources and adjust policies as needed.

Need a hand with the next step?

If you have a question about any of these steps, or need help setting up a more advanced or tailored solution, we're here for you!

Feel free to send us an email at contact@403bits.com.

For simpler queries, we'll gladly share advice or point you in the right direction — free of charge!

And if you're facing a more complex challenge or want to save time, our experts can take over and deliver a comprehensive setup that perfectly fits your needs.

We're here to help you build security and efficiency
so you can focus on growing your business!

If you liked this checklist or have improvement suggestions, - let us know contact@403bits.com.

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