Keeping your Drupal Site Secure

Stéphane Corlosquet -
scorlosquet@gmail.com
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Acquia™

General tips

- Use HTTPS, SSH, SFTP
- Strong password policy
- Server – LAMP stack
- Require SSH keys
- Keep your site settings secure
  - Permissions
  - Text formats
  - PHP filter

Drupal 7

- Stronger password hashing / salt
- Login flood control
  - prevents brute-force credential guessing
- Protected cron
  - prevents Denial of Service attacks
- Update manager
  - Update module from the web UI

Modules enhancing security

- Secure login
- Password policy
- Paranoia
- Hacked!
- Permissions Lock

Drupal specific hosting

- Can your hosting provider help you improve your security process?
  - Insight (part of Acquia Cloud hosting)
  - Pantheon (self-service security updates)
- Tuned for Drupal security (and performance)
  - Code, DB, uploaded files, config
  - Managed security updates:
    - Remote administration (Acquia hosting)

Security process

- Ongoing maintenance
- Cost
- Managed hosting
- Drupal.org packaging infrastructure

Security process

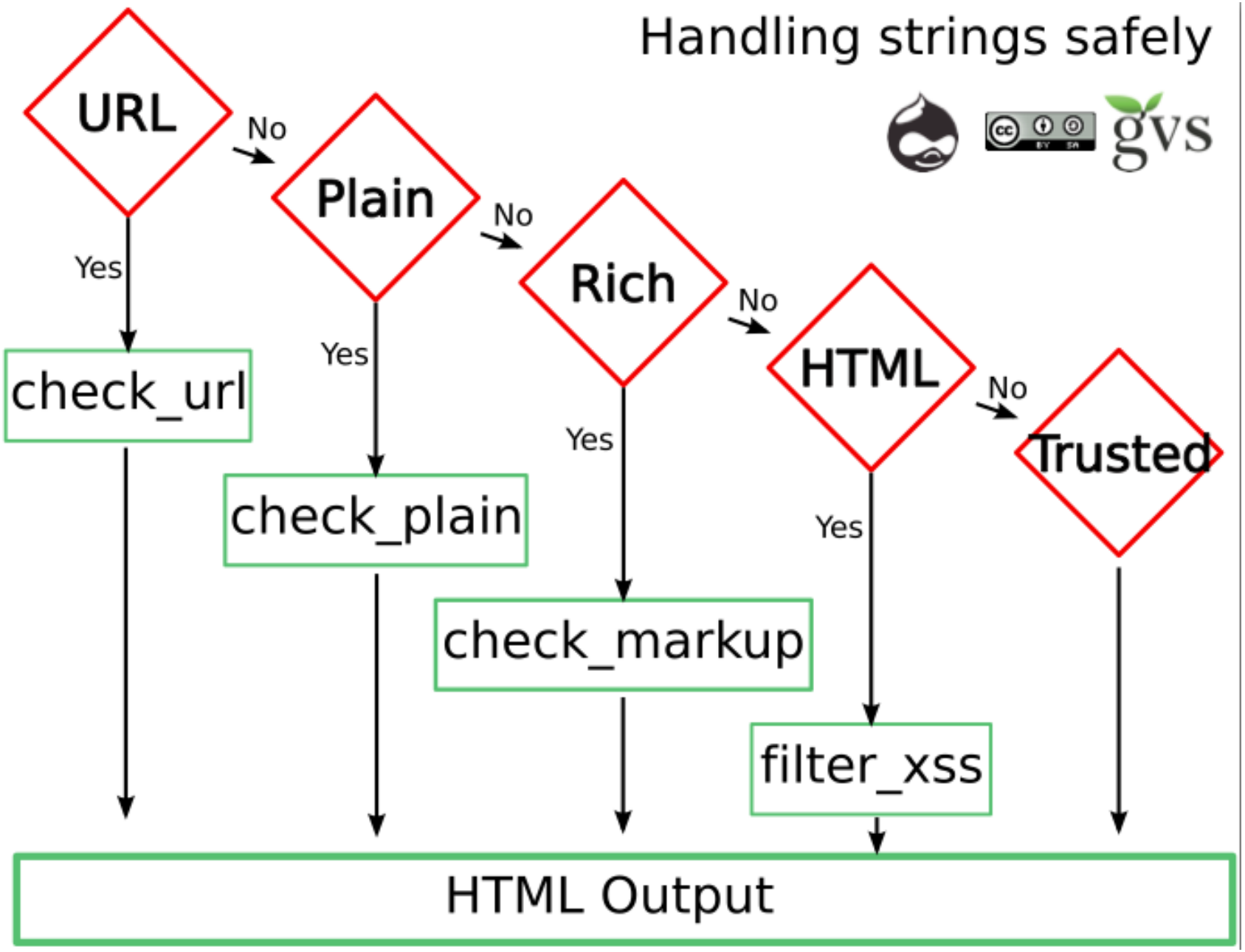
- Drupal Security Team
  - Keep Drupal code secure in core and contrib
  - Educate the community on security best practices
    - Developers
    - Site builders
    - Site administrators and users
    - Decision makers
  - Security Advisory for every security release

Security process

Developers & site maintainers

- Follow Drupal APIs and best practices
- Take & **verify** backups
- Sanitize backups for sharing

Cross Site Scripting

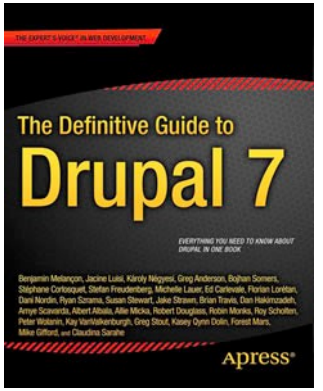


Drupal 8

- Twig as templating language
  - Automatically sanitizes strings on output
  - No PHP in templates
- WYSIWYG in core
  - Streamlined filter mechanism (server and client side)
  - No more full HTML as last resort
- Local image input filter
  - Only allow images from same site

Book on Security in Drupal

References



- DGD7 chapter 6
- http://drupal.org/security
- http://www.drupalscout.com/
- http://groups.drupal.org/best-practices-drupal-security

Thanks!

- Stéphane Corlosquet:
  - scorlosquet@gmail.com
  - @scorlosquet
  - http://openspring.net/