

Saal: Project 17:15 01:00 Day: 5 Track: Security & Hacking nA
2501

Title: **Let's Encrypt**

Subtitle: A Certificate Authority To Encrypt the Entire Web

Speaker: **pde**

Short: *Let's Encrypt is a new free and automated certificate authority, launching in summer 2015. This talk will explain how Let's Encrypt works, and show you how to use it to automate HTTPS on a range of different Web, mail and other server types. It will cover obtaining new certificates, renewing them automatically, and enabling various advanced TLS security features. We also discuss the roadmap to a Web that is HTTPS by default.*

Long: Let's Encrypt is a new certificate authority that is being launched by a collaboration between EFF, Mozilla, Cisco, Akamai, IdenTrust, and a team at the University of Michigan. It will issue certificates for free, using a new automated protocol called ACME for verification of domain control and issuance. This talk will describe the features of the CA and available clients at launch; explore the security challenges inherent in building such a system; and its effect on the security of the CA marketplace as a whole. We will also update our place on the roadmap to a Web that uses HTTPS by default.