



Strategy and Synergy for Security

NATIONAL WORKSHOP

ON

PUBLIC KEY INFRASTRUCTURE : CREATING TRUSTED ENVIRONMENT

22 - 23 January, 2019



Organized by

Society for Electronic Transactions and Security (SETS)

MGR Knowledge City, CIT Campus,
Taramani, Chennai – 600 113, Tamil Nadu
Website: www.setsindia.in

Centre for Development of Advanced Computing (C-DAC)

Pune University Campus, Ganesh Khind
Pune - 411 007, Maharashtra
Website: www.cdac.in

About SETS

Society for Electronic Transactions and Security (SETS) was set-up as a premier Research Institution to work in the area of Information Security under the Office of Principal Scientific Advisor to Government of India. It has established an “Advanced Facility in Information Security and Cryptology (AFISC)” working in the research areas of Information Security as Knowledge Centre with the following objectives:

- Knowledge Creation in Cryptology, Hardware Security and Network Security to meet the specific long-term and short-term needs of the Nation
- Knowledge Application by translating the knowledge created into solutions/products to meet the specific needs of the organizations in collaboration with academia and industry
- Knowledge Dissemination through sharing its expertise by organizing training programs, workshops and National Conferences

About C-DAC

Centre for Development of Advanced Computing (C-DAC) is the premier R&D organization of the Ministry of Electronics and Information Technology (MeitY) for carrying out R&D in IT, Electronics and associated areas. Different areas of C-DAC, had originated at different times, many of which came out as a result of identification of opportunities like:

- Multiple generations of Supercomputer starting from PARAM with 1 GF in 1988 and work in High Performance, Grid and Cloud Computing (HGCC)
- Expert in Indian Language Computing Solutions, Multilingual Computing & Heritage Computing
Cyber Forensic Analysis, Training and Laboratory Development in Cyber Security
- Education & Training activities to meet the growing needs of Indian Industry for finishing schools

In addition, C-DAC offers its eSign service, named e-Hastakshar, to Aadhaar holders with registered mobile numbers using Aadhaar OTP (One Time Password) or Biometric (Finger Minutiae) based e-KYC services to authenticate the document signer. CDAC is also a licensed Certifying Authority (CA) under the Controller of Certifying Authorities (CCA).

THEME OF THE WORKSHOP

RFC 2822 defines PKI as the set of hardware, software, people, policies and procedures needed to create, manage, store, distribute and revoke digital certificates based on asymmetric cryptography. The principal objective of establishing a PKI is to enable secure, convenient and efficient acquisition of public keys. The PKI enables establishment of a trust hierarchy which is implemented through a Certification Authority (CA). The PKI facilitates digital signatures and encryption mechanisms to provide authenticity, integrity, non-repudiation and confidentiality in a digital transaction. Furthermore, a PKI offer significant administrative savings opportunities without compromising security and legal requirements.

The main objective of this workshop is to disseminate the knowledge of the state-of-the-art PKI technologies which the organizing parties of the workshop have acquired during their efforts that were put up in the development and implementation period. The workshop modules are designed in such a way that the participants would get a clear understanding of the PKI technology and its applications.

CONTENTS OF THIS WORKSHOP

- PKI and its Applications
- e-Sign Services
- PKI in Banking
- Post Quantum Cryptography (PQC) based PKI
- PKI Implementation Trends
- Case Study : e-Abhedya (An ECC based the PKI Solution developed by SETS)

TARGET PARTICIPANTS

- Personnel working with IT Infrastructure
- System and Network Administrators
- Cyber Security Professionals
- Faculties and Researchers
- Government Departments Personnel

SPEAKERS

Experts from Academic, R&D Institutions including SETS and C-DAC.

TECHNICAL COORDINATORS

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REGISTRATION

Rs. 3000/- for Industry Executive/Professional

Rs. 1500/- for Government Personnel and Academic Staffs

Rs. 1000/- for Research Scholars/Students

It includes workshop Kit, Working Lunch, Tea and Snacks. The Registration fee may be paid through **Cheque / Demand Draft** in favour of **SETS** payable at **Chennai**.

Registration fee along with application should be sent to the Workshop Coordinator on or before **21st January, 2019**.

An option is also available to attend demo of SETS in-house developed Elliptic Curve Cryptography (ECC) based PKI Solution “e-Abhedya” on 23rd January, 2019. **No Registration Fee** is required to attend demo of ECC based PKI Solution “e-Abhedya”. However prior registration for the demo is required.

All communications should be addressed to

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Venue

SETS Auditorium
Society for Electronic Transactions and Security (SET)
MGR Knowledge City, CIT Campus,
Taramani, Chennai – 600 113
Tamil Nadu
www.setsindia.in

Number of Seats are limited. Spot registration can be done. This is subjected to availability of seats.

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