



# Protiva Integrator

## Objectives:

At the end of this course you will:

- + **Understand why authentication is critical**
- + **Understand the value added by Protiva**
- + **Know how Protiva works**
- + **Be able to install the system**
- + **Be able to use Protiva's advanced features**
- + **Know how to integrate Protiva in existing infrastructures**
- + **Have a good knowledge of PKI**
- + **Understand the value added by the Protiva .Net smartcard**
- + **Be able to configure smartcard settings in Windows domains**
- + **Be able to issue certificates for users in the smartcard**
- + **Be able to setup smartcard logon for users, secure email exchange, secure VPN connection**

## Key Topics:

- + Strong authentication
- + OTP
- + Authentication factors
- + Smart Card
- + Web server
- + VPN gateway
- + OATH
- + Active Directory
- + CAP-EMV
- + Certificates
- + PKI
- + Citrix PS
- + VPN EAP-TLS
- + MS Base CSP
- + Secure email exchange
- + Smart Card logon

## Who should attend:

- + Technical Project Managers
- + Operation & IT Managers
- + Integrators



This training course will allow you to understand what Protiva Software is and what it provides. You will learn the theoretical and practical aspects of the integration of the solution in the IT and PKI world and put this into practice by setting-up a full virtual corporate environment.

You will put in place the software, administer the users, setup an OTP based VPN authentication, ... You will also understand what Protiva .Net smart card is and what it provides. You will put in place Smart Card logon infrastructure, secure web site access, remote computing, VPN, Smart Card logon remote computing, secure email, P11 interface usage...

## Each training session consists of:

- + A complete course manual
- + A CD-Rom with an electronic version of the workbook and additional documentation
- + Practical Exercises
- + 3 .NET smartcards

This course is held in English. It can be presented in French on request.

**Duration:** 3 Days

## Location:

Gemalto Training Centres. For on-site training, please contact us.



## Course Schedule:

Topic DAY 1	Practice
<p>Welcome and agenda presentation.</p> <ul style="list-style-type: none"> <li>+ Strong Authentication Challenges: smart card technologies add value to :                             <ul style="list-style-type: none"> <li>o Data encryption</li> <li>o Digital signature</li> <li>o Computer logon</li> <li>o Email exchange</li> <li>o Web access</li> <li>o VPN</li> <li>o Single Sign On</li> <li>o Remote computing</li> <li>o Physical Access</li> <li>o Biometrics</li> </ul> </li> <li>+ Protiva SA Server 3.0: One Time Password</li> <li>+ Branding presentation, the value added by SA Server, how SA Server works</li> <li>+ Using Protiva SA: One Time Password</li> <li>+ Protiva User Management and Provisioning</li> </ul>	<ul style="list-style-type: none"> <li>+ Practice 1 : SA Server 3.0 installation in mixed mode</li> <li>+ + demo installation in DB mode</li> <li>+ + demo installation on Linux</li> <li>+ Practice 2: OATH usage</li> <li>+ Live provisioning demo</li> </ul>
Topic DAY 2	Practice
<ul style="list-style-type: none"> <li>+ Recap of first day</li> <li>+ Protiva SA Server Integration and use cases.</li> </ul> <ul style="list-style-type: none"> <li>+ Protiva.NET (PKI)</li> <li>+ Introduction</li> <li>+ Protiva .NET Features/Benefits</li> <li>+ Protiva .NET card, utilities, SDK – overview</li> <li>+ Protiva Classic MDE card</li> </ul>	<ul style="list-style-type: none"> <li>+ Practice 3: integration Microsoft VPN</li> <li>+ Practice 4: integration with Citrix Presentation Server</li> <li>+ Practice 5: integration with Outlook Web Access</li> <li>+ New features demo: web API usage, SMS OTP, OTP plug-in integration, system administration features</li> <li>+ Practice 1 : Install Base CSP, enroll web certificate</li> <li>+ Practice 2 : configure smart card settings for computers in the domain</li> <li>+ Practice 3 : .NET card using Gemalto DAS</li> <li>+ Demo:.NET card using Microsoft ILM</li> <li>+ Practice 4: Logon XP/Vista</li> <li>+ Practice 5: Secure email and Office document signature</li> </ul>
Topic DAY 3	Practice
<ul style="list-style-type: none"> <li>+ Recap of second day</li> <li>+ Commissioning docs</li> <li>+ Protiva procurement process for partners</li> <li>+ Protiva Support and maintenance</li> </ul>	<ul style="list-style-type: none"> <li>+ Practice 6 : P11 interface usage</li> <li>+ Practice 7: Integration with VPN</li> <li>+ Practice 8: Using Smartcard with Citrix ICA client</li> <li>+ Demo Smart Enterprise Guardian token</li> <li>+ Demo: Mac Tokend</li> <li>+ Demo: Biometrics match on card</li> </ul>

## Related courses:

**Protiva Integrator**

**Classic Client Software Integration (S1003I)**