Xanthos

PEP Checker
The secure in-house screening solution

Product description and technical specifications

Do you need to perform due diligence checks before doing business with a person or entity ?

We all know it: under certain circumstances the usage of the interactive version PEP database solution is not enough and a local copy of the most recent added profiles is a must. These investigations must at all times respect the privacy of the affected persons.
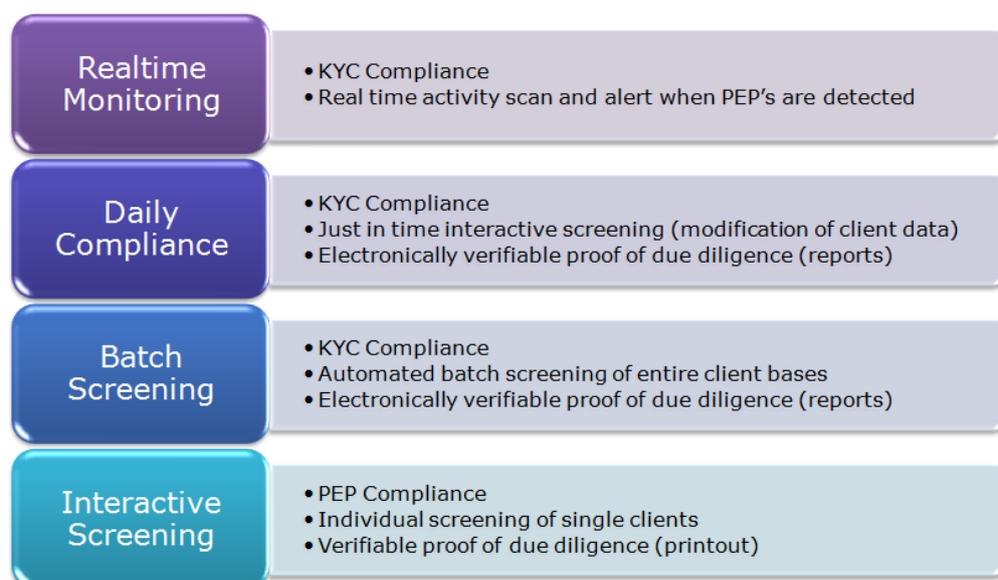
Xanthos® PEP Checker is a high-performance and full-featured search engine who screens your customer data against a entire local stored Data Source of Politically Exposed Person (PEP). PEP Checker is a discrete stand-alone and in-house screening filter.

What's the kind of area to be monitored ?

- Checks on potential customers when opening an account
- Periodic reviews of the customer base

PEPs: More than just politicians !

Regulations now require institutions to systematically screen new and existing customers for the presence of fraudsters, money launderers, Politically Exposed Persons (PEP's), terrorists, and other high and heightened risk entities and individuals. As such, automated screening has become of critical consideration for smaller institutions too that may currently, at best, only carry out manual screening.

Realtime Monitoring
- KYC Compliance
- Real time activity scan and alert when PEP's are detected

Daily Compliance
- KYC Compliance
- Just in time interactive screening (modification of client data)
- Electronically verifiable proof of due diligence (reports)

Batch Screening
- KYC Compliance
- Automated batch screening of entire client bases
- Electronically verifiable proof of due diligence (reports)

Interactive Screening
- PEP Compliance
- Individual screening of single clients
- Verifiable proof of due diligence (printout)

• Turn-key solution

For In-house PEP Compliance, KYC Compliance and central file management

• Proof of concept

Just let the powerfull search engine find the right information for you

• Cost efficient

One time download, unlimited number of concurrent users

• Due diligence

Provides electronically verifiable proof of due diligence

• Privacy

Your data is not visible or traceable by third parties

The Xanthos® PEP Checker is a software solution developed for financial institutions. The schema of the database has been designed to manage millions of PEP entries from several PEP data providers. For example, in addition to the World-Check data source, you can create additional blacklists and whitelist for your entire domain in order to manage your own PEP detail information database. Xanthos® PEP Checker is a high-performance, full-featured search engine that allows you to browse through millions PEP entries in a second !

Key Features

▪ **World-Check Crawler**
The crawler allows to automatically download a World-Check file from the World-Check Website.

▪ **PEP Check Data Loader**
The data loader parses and loads the PEP XML datafile into a SQL Database (Oracle, MS SQL)

▪ **PEP Checker Server Engine**
- *Indexing Services:* high-performance database indexing
- *Search Engine:* which supports rapid searching of PEP contents and properties across many thousands of PEP's in the database.

▪ **PEP Checker Screening filter**
- *Single name screening filter*: individual check on potential or existing customers
- *Automated batch screening filter*: periodic reviews of the customer base (background process).

▪ **User and Authentication Manager**
Built-in user security in order to respect the privacy of the affected persons.

Benefits

▪ **Discrete and in-house screening**
For maximum data security and privacy, PEP Checker enables you to check customer data offline. Your data is not visible or traceable by third parties

▪ **World's leading PEP Database source**
PEP Checker takes advantage of the World-Check PEP Database

▪ **Cost efficient filtering**
One time download, unlimited number of concurrent users

▪ **Easy to use**
Just let the powerfull Xanthos® PEP Checker search engine find the right information for you !

The software solution

Xanthos® PEP Checker is a fully compatible Windows server application with a Web based user interface. Additionally, the solution is based on industry-standard Microsoft .NET Framework. The Xanthos Search Engine is a high performance search server with integrated matching algorithm.

The matching algorithm

The algorithm makes up, certainly, the heart of the information system. The Levenshtein distance is a metric for measuring the amount of difference between two sequences (i.e., the so called edit distance). The Levenshtein distance between two strings is given by the minimum number of operations needed to transform one string into the other, where an operation is an insertion, deletion, or substitution of a single character. A generalization of the Levenshtein distance (Damerau-Levenshtein distance) allows the transposition of two characters as an operation.

The Query Parser

When performing a search you can either specify a value or a field and type the related value.

- **Wildcard Searches**
  You can perform single and multiple character wildcard searches within single terms
- **Fuzzy Searches**
  The query service supports fuzzy searches based on the Levenshtein Distance, or Edit Distance algorithm
- **Proximity Searches**
  PEP Checker support finding words within a specific distance
- **Range Searches**
  Range Queries allow to match documents whose field(s) values are between the lower and upper bound specified by the Range Query

About World-Check
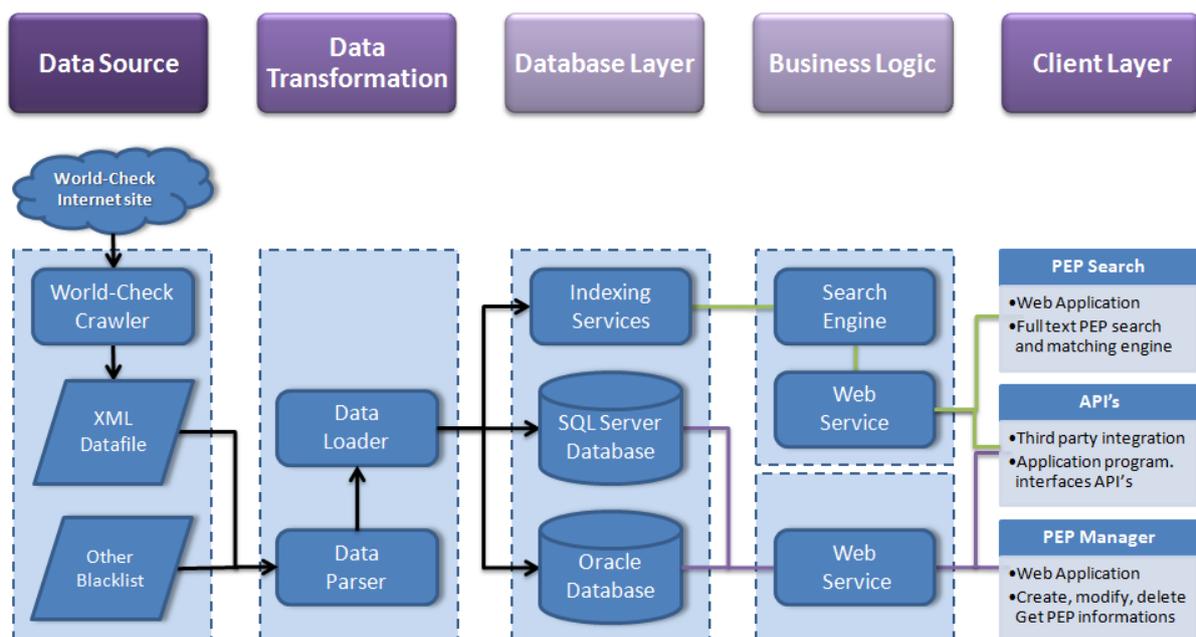
- **PEP data source**
  Take advantage of the world's leading PEP data source providers

- **Online screening**
  Interactive screening of single individuals or entities

- **Batch screening**
  Automated batch screening of the entire client base

- **Realtime scan**
  Real-time activity scan with alert message

- **Just in time scan**
  Interactive screening of client data modification

- **Fuzzy searches**
  Query service based on the Levenshtein Distance algorithm

More than 2,500 institutions, including 47 of the world's 50 largest financial institutions and 200 plus enforcement and regulatory agencies, rely on the World-Check database of known heightened-risk individuals and businesses to efficiently screen their customers, associates, transactions and employees for potential risk.

World-Check's Data source contains hundreds of thousands of highly structured profiles of individuals and entities known to represent a direct or potential reputation, financial or compliance risk. Politicians, PEPs and people of political influence; terrorists and organized crime; money launderers and fraudsters amongst many other categories - are all profiled and linked to offer a complex network of public information. In addition, World-Check correlates every known sanction and embargo list from around the world, including both debarred and banned parties.

The World-Check PEP Data Source is updated twice daily to ensure our customers have access to the latest information, with annual subscriptions allowing for unlimited downloads.

The Xanthos® PEP Checker offering does not include World-Check's Data-File annual subscription. Contact your local agent if you have any questions regarding World-Check.

Other PEP data source providers

Xanthos® PEP Checker manages separately different data source providers into the same database.

Individual Black list

A black list is a warning or detection list; the registration of individuals created by a company or sector. There are two ways to register a person, or list of persons in the Xanthos® PEP Checker:

- **Using the user interface:**
  Manage single PEP data with the user interface of the Xanthos® PEP Checker

- **Using the generic Datafile parser and data loader**:
  Import data into the PEP database from an excel data sheet or text file

Our goal

" To avoid increasing risks to an unacceptable level, we want to rise your due diligence, past or present, to the highest level you have. "

Technical requirements

PEP Checker Client

Browser	*Recommended Product*
Microsoft	Windows Internet Explorer 7.0 or higher
Mozilla	Mozilla Firefox

PEP Checker Middleware

Minimal Configuration	*Recommended Configuration*
2 GB RAM	4 GB RAM or higher
Windows 2003 Server	Windows 2008 Server or higher
32-bit Operating System	64-bit Operating System
Internet Services (IIS) 6.0	Internet Services (IIS) 6.0
.net framework 4.5	.net framework 4.5
Internet Services (IIS)	Internet Services (IIS)

PEP Checker Database

Database type	*Required*
SQL Server	MS SQL 2005 or higher
Oracle	Oracle version 9.2 or higher

Directory Services

LDAP Directory	*Recommended Product*
Microsoft	Active Directory