AccessOne

AMICKBROWN

Information Security

Information is one of the most important assets of your organization. You have built an elaborate enterprise data warehouse that contains key data needed for your various decision support needs. Currently your users have access to large amounts of your company's data that they can use for "Business Intelligence." What if there is valuable information that one organization will benefit from, but it isn't appropriate that another organization has access to it?

Is the fear of people accessing data that they should not see, stopping you from giving them access to data that they should be seeing?
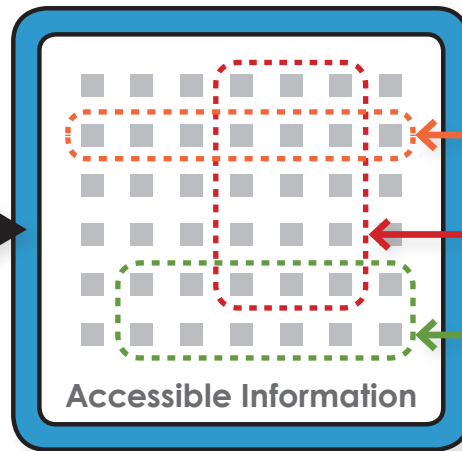
Challenge

Out-of-the-box SAP BI Security lets you control access to the warehouse data. However, it's a manual process. And since it is manual, it is most likely not implemented. And even if it is implemented, it's partial at best. You then find yourself restricted by security requirements from rolling out reports to all the people that would benefit from the data. Or, you might be tempted to create a small datamart with the necessary data. Pretty soon you have an accumulation of datamarts that need to be maintained — and due to timing and extraction, they hold the same information differently. There is no single version of the truth.

Solution

AccessOne is an information security software specifically designed for SAP™ Business Warehouse (SAP-BW). AccessOne allows you to build your access-control security in an easy excel-like matrix, and deploy it with a few clicks. BI AccessOne can extract access information from your ECC system (be it role-based, structural authorizations, etc), or a traditional SoD ACL matrix, or even an excel file you created on your desktop.

With AccessOne, you can assign any report to any role, without having to worry about access control and data security. Unless the user has specific authorization defined either in the transactional system or by means of any other specification, the user will not be able to pull any data outside of their own span of control.

AccessOne Security

Third Party Security
SAP Structural Authorizations
SAP User Roles and Profiles
User Access Matrix
for Overrides

Accessible Information

End Users

ADMINS/POWER-USERS/ SHARED SERVICES
* Access

EXECUTIVES
Access to all records, but limited view of fields

FINANCE CONTROLLERS
Restricted access to records (specific to cost centers, etc.) but full access to all fields

OPERATIONAL MANAGERS
Limited access to span of control, limited access to fields

Method

AccessOne is built upon the SAP-BW's native Analysis Authorizations framework. AccessOne auth-stamps every reportable record in the enterprise data warehouse. It subsequently assigns auth-keys to every end-user of the reporting system. So when a user executes a report, AccessOne looks up the users' auth-keys to determine the list of records that the user in question should have access to, thus limiting the users' access to only that part of the data that the user is authorized to view.

Scalable
AccessOne is designed to scale up — whether it's your data volume, or your user-base. Its authorization framework is a lean just-in-time (JIT) engine with a minimal footprint.

Platform-independent
AccessOne is built upon the SAP-BW's native Analysis Authorizations framework. Whether you're running your BW on a traditional database, or BI-Accelerator, or HANA or the cloud, AccessOne just works.

Flexible
AccessOne is a very flexible solution, in that it easily interfaces and integrates with various authorization technologies a typical corporation uses. Although tightly coupled with SAP's ECC authorizations, such as Role-based, Central User Administration (CUA), or Structural Authorization, AccessOne is also designed to interface with custom or third-party software security solutions. It works even if you just use a Microsoft Excel spreadsheet.

Comparative Cost Advantage
AccessOne provides tremendous comparative cost advantage. Similar custom solutions for BI authorization will not only incur a higher cost of development, but will be unable to scale the way AccessOne does. A typical AccessOne implementation, compared to other solutions, cuts implementation time by more 70%. Also, since AccessOne is designed to be deployed in a prototype/iterative development model, the initial roll out of secure access can be in weeks, instead of months with other solutions. When extending AccessOne to a new set of access authorization rules, the AccessOne's scalability leads to significant and measurable cost-savings, as well.

Audit-ready
AccessOne provides various audit trail reports for security and data access logs.

About Amick Brown
Amick Brown is committed to the success of the customer through our efficiency, innovation and highly experienced technical and functional experts. Our clients trust us as a partner and recognize the value we bring to them with a nearly 100% success rate.