Cloud Data Warehousing

Practical Migration Techniques for Legacy Data Warehouses

**Two day workshop
by Dave Wells**

///AdeptEvents

- Benefits and challenges of cloud data warehousing
- Cautions about cloud migration
- How to perform migration analysis and make migration decisions
- A step-by-step approach to data warehouse migration
- Considerations for incremental migration
- The cloud data warehousing technology landscape
- How to develop a cloud migration plan

VENUE
Utrecht / Hilversum Area,
The Netherlands

TIME
9:30 – 17:00 hours

REGISTRATION
www.adeptevents.nl

Cloud Data Warehousing

Practical Migration Techniques for Legacy Data Warehouses

Cloud data warehousing helps to meet the challenges of legacy data warehouses that struggle to keep up with growing data volumes, changing service level expectations, and the need to integrate structured warehouse data with unstructured data in a data lake. Cloud data warehousing provides many benefits, but cloud migration isn't fast and easy. Migrating an existing data warehouse to the cloud is a complex process of moving schema, data, and ETL. The complexity increases when architectural modernization, restructuring of database schema or rebuilding of data pipelines is needed.

This session describes the benefits, techniques, and challenges of migrating an existing data warehouse to the cloud. We'll overview the major cloud data warehouse providers and examine some technologies that can ease the pain of cloud migration. Migration pragmatics are described within the framework of a step-by-step approach.

Moving an existing data warehouse to the cloud is not quick, and it isn't easy, but there are real and substantial benefits. Most companies avoid the "big bang" and migrate incrementally. The techniques and technologies described here will help you to start quickly and navigate through the migration roadmap smoothly.

This is a participative workshop. Participants should arrive with knowledge of one or more on-premises data warehouses that they are considering moving to the cloud. You'll perform exercises to analyze the upside and downside of cloud migration, to make migration decisions, and to develop a migration plan.

Learning objectives

- The what and why of cloud data warehousing
- The benefits of cloud data warehousing
- The challenges of cloud data warehousing
- Cautions about cloud migration
- How to perform migration analysis and make migration decisions
- A step-by-step approach to data warehouse migration
- Considerations for incremental migration
- The cloud data warehousing technology landscape
- The cloud migration technology landscape
- How to develop a cloud migration plan

Who is It For?

Data management and analytics program and project managers, Data management and analytics architects, Technology strategists and planners, Data engineers and data integration specialists, Anyone with a role in migrating legacy data warehouses to the cloud.

Cloud Data Warehousing – What and Why?
- The cloud migration trend
- Challenges of conventional data warehousing
- Overcoming the challenges

Benefits of Cloud Data Warehousing
- Scalability
- Elasticity
- Managed infrastructure
- Cost savings
- Processing speed
- Deployment speed
- Fault tolerance
- Disaster recovery
- Security and governance
- RDBMS in the cloud

Cloud Data Warehousing: Look Before You Leap
- Data movement
- Design and development
- Security and compliance
- Cloud and on-premises hybrid
- Portability

To Cloud or Not to Cloud
- Data warehouse architecture
- Technical debt
- Technology architecture
- Networking
- Data warehouse operations
- Data center operations
- Disaster recovery and business continuity
- Scalability and elasticity
- Data types
- Agility
- Governance
- Security
- Compliance
- Data quality
- Self-service
- Commitment

Cloud Migration SWOT Analysis
- Some guidelines
- Exercise 1 – SWOT for Migrating Your Data Warehouse
- Exercise 2 – Using the Migration SWOT Analysis
- Exercise 3 – SWOT for Not Migrating Your Data Warehouse
- Exercise 4 – Using the No Migration SWOT Analysis
- Exercise 5 – To Cloud or Not to Cloud: Making the Decision

Course description

Technologies for Cloud Data Warehousing

- Cloud data warehouse functions
  - Data storage
  - Database loading
  - Data processing
  - SQL queries
  - Workload management
  - Metadata management
  - Security and access controls
  - Data protection
- Cloud data warehouse platforms
- Migration tools
  - Integration Platform as a Service (iPaaS)
  - Data warehouse automation
  - Data virtualization

Step-by-Step Data Warehouse Migration

- The big picture
- The business case
- Architectural assessment
- Migration strategy
- Technology selection
- Migration
  - Planning
  - Schema migration
  - Data migration
  - ETL migration and data pipelines
  - Metadata migration
  - Migrating users and applications

DAVE WELLS

DAVE WELLS is the Data Management Practice Director at Eckerson Group, a data analytics research and consulting organization. He is an internationally recognized thought leader in data management, a frequent speaker at industry conferences, and a contributing author to industry publications. Dave brings a unique perspective to data management based on five decades of working with data in both technical and business roles. He works at the intersection of information management and business management, where real value is derived from data assets.

Dave is an industry analyst, consultant, and educator dedicated to building meaningful and enduring connections throughout the path from data to business value. Much of his work today is focused on modernization — updating turn-of-the-century BI architecture to optimize for big data and analytics, sustaining the value of legacy data warehouses with cloud technology and data lake compatibility, and rethinking data governance to work well in self-service and agile cultures.

Information

DATE AND TIME

The workshop will take place once or twice a year with the exact date and time available on our website. The programme starts at 9:30 am and ends at 5:00 pm on both days. Registration commences at 8.30 am and we recommend that you arrive early.

VENUE

Adept Events works with several venues in and near Amersfoort and Utrecht. We strive to provide you with the location details as soon as possible. The exact venue will be on our website and in the confirmation e-mail that you will receive one week prior to the event. Always check our website prior to your departure to ensure you have the exact location and directions.

HOW TO REGISTER

Please register online at **www.adeptevents.nl**. For registering by print, please scan the completed registration form and send this or your Purchase Order to **customerservice@adeptevents.nl**. We will confirm your registration and invoice your company by e-mail therefore please do not omit your e-mail address when registering.

REGISTRATION FEE

Taking part in this two-day workshop will only cost 1305 Euro when registering 30 days beforehand and 1450 Euro per person afterwards (excl. 21% Dutch VAT). This also covers documentation, lunch, tea/coffee.

Members of the DAMA are eligible for 10 percent discount on the registration fee.

In completing your registration form you declare that you agree with our Terms and Conditions.

Team discounts

Discounts are available for group bookings of two or more delegates representing the same organization made at the same time. Ten percent off for the second and third delegate and fifteen percent off for all delegates when registering four or more delegates (all delegates must be listed on the same invoice).
This cannot be used in conjunction with other discounts.
All prices are VAT excluded.

PAYMENT

Full payment is due prior to the workshop. An invoice will be sent to you containing our full bank details including BIC and IBAN. Your payment should always include the invoice number as well as the name of your company and the delegate name.
Payment by credit card is available for attendees from countries outside the IBAN region. This is not an automated process via our website but requires a manual transaction by phone or Skype. For Credit Card payment please contact our office by e-mail or through our contact form mentioning your phone number to obtain your credit card information. Never mention your credit card details in our registration form, contact form or in e-mail messages.

Cancellation Policy

Cancellations must be received in writing at least three weeks before the commencement of the workshop and will be subject to a € 75,- administration fee. It is regretted that cancellations received within three weeks of the workshop date will be liable for the full workshop fee. Substitutions can be made at any time and at no extra charge.

Cancellation Liability

In the unlikely event of cancellation of the workshop for any reason, Adept Events' liability is limited to the return of the registration fee only. Adept Events will not reimburse delegates for any travel or hotel cancellation fees or penalties. It may be necessary, for reasons beyond the control of Adept Events, to change the content, timings, speakers, date and venue of the workshop.

MORE INFORMATION

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