

# **Pro/INTRALINK Data Migrator: Migrating Data from Pro/INTRALINK 3.x to 8.0**

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# **Pro/INTRALINK Data Migrator Migrating from 3.x to 8.0**

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# Agenda

**Evolution of Pro/INTRALINK 8.0**

**Introducing the Pro/INTRALINK Data Migrator**

**Supported data**

**How it works**

**Early success**

**Performance**

**Support information**

**Software availability**

**Available resources**



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# 2004 – CAD Data Management Customers Must Compromise

## Pro/INTRALINK 3.X

### Strengths:

- ⊙ Full Pro/E Workgroup Level Data Management Functionality
- ⊙ LAN Performance
- ⊙ Customer Already Owns

### Weaknesses:

- ⊙ Enterprise Capabilities
- ⊙ WAN Performance
- ⊙ Extended Enterprise Access
- ⊙ Multiple Client UI's

## Windchill 7.0

### Strengths:

- ⊙ Enterprise Capabilities
- ⊙ WAN Performance
- ⊙ Modern Architecture (Scalability, Security, Integration)
- ⊙ Single Client UI

### Weaknesses:

- ⊙ Full Pro/E Workgroup Level Data Management Functionality
- ⊙ LAN Performance
- ⊙ Upgrade Path from Pro/I 3.X Costly

# 2005 – Eliminating the Compromise

## *Pro/INTRALINK 8.0 – A Single Solution with Modular Packaging to Eliminate Compromises*

### **Strengths:**

- ⊙ Full Pro/E Workgroup Level Data Management Functionality
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### **Strengths:**

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### **Weaknesses:**

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### **Weaknesses:**

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# Differences Between Pro/INTRALINK & Windchill PDMLink

## Pro/INTRALINK 3.x

## Pro/INTRALINK 8.0

## Windchill PDMLink 8.0

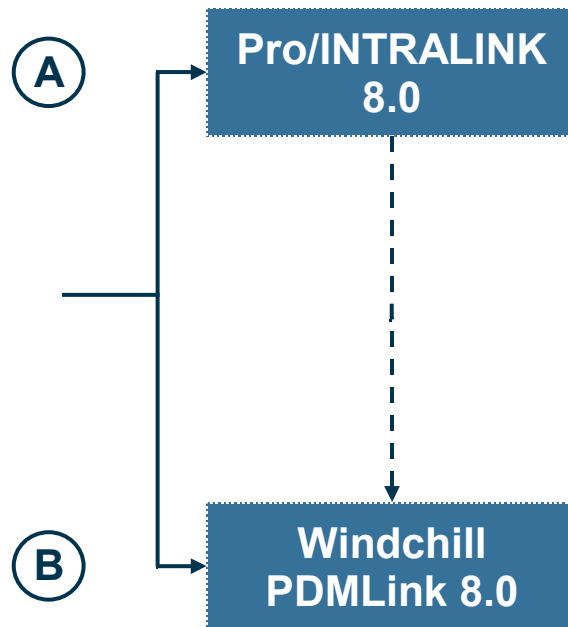
- Pro/E versioning & vaulting
- Workgroup collaboration
- Basic lifecycle mgmt (simple release)
- Basic document mgmt
- Basic configuration mgmt (baselines)
- Content replication (multi-site version)
- Basic visualization
- Optional advanced visualization
- Basic search
- BOM/ Relationship reporting

- Improved distributed (WAN) performance
- New Web-based architecture
  - Streamlined Pro/ENGINEER Wildfire interactions
  - Expanded visualization
  - Scalability
  - Advanced security/ firewall/ LDAP
  - Eliminates client installations
  - Cross-locale support
- Additional capabilities
  - Enhanced document mgmt
  - Improved Difference Reporting
  - Expanded History Reporting
    - Rename history
    - Save As history
    - Location history
- Optional Archive module

- Complete product definition
  - Ability to add 3rd party MCAD and ECAD integrations
  - Define and manage enterprise BOM
  - Advanced structure/ configuration management
  - Improved document management (MS Office integration, structured docs)
- Engineering change management
- Process automation/ workflow
- Expanded visualization
  - Additional object adapter support
  - Incl. Lite visualization
  - ECAD validation with InterComm
- Enterprise user (light) seats
- Ability to add Windchill ProjectLink
  - Product development collaboration
  - Project management and execution
- Optional modules
  - Classification and reuse
  - Enterprise system integrations (e.g, SAP)
  - Adobe PDF integration

Select non-core functionality planned for next releases

# Pro/INTRALINK 3.x Customers Have Multiple Options



- ◉ Next generation Pro/ENGINEER workgroup data management
  - ◉ Modern Windchill architecture
  - ◉ Simple starting point with growth potential
  - ◉ Included with Pro/INTRALINK maintenance
  - ◉ Robust migration capabilities and training support
- 
- ◉ All of the capabilities of Pro/INTRALINK, plus: multi-MCAD / ECAD, CMII change management, advanced configuration management, turnkey
  - ◉ Best to obtain all the benefits of the PDS
  - ◉ ERP integration, etc.
  - ◉ One solution for workgroup and enterprise PDM
  - ◉ Requires purchasing licensing upgrade package
  - ◉ Option to add Light user pricing
  - ◉ Robust migration capabilities and training support



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# Introducing the Pro/INTRALINK Data Migrator

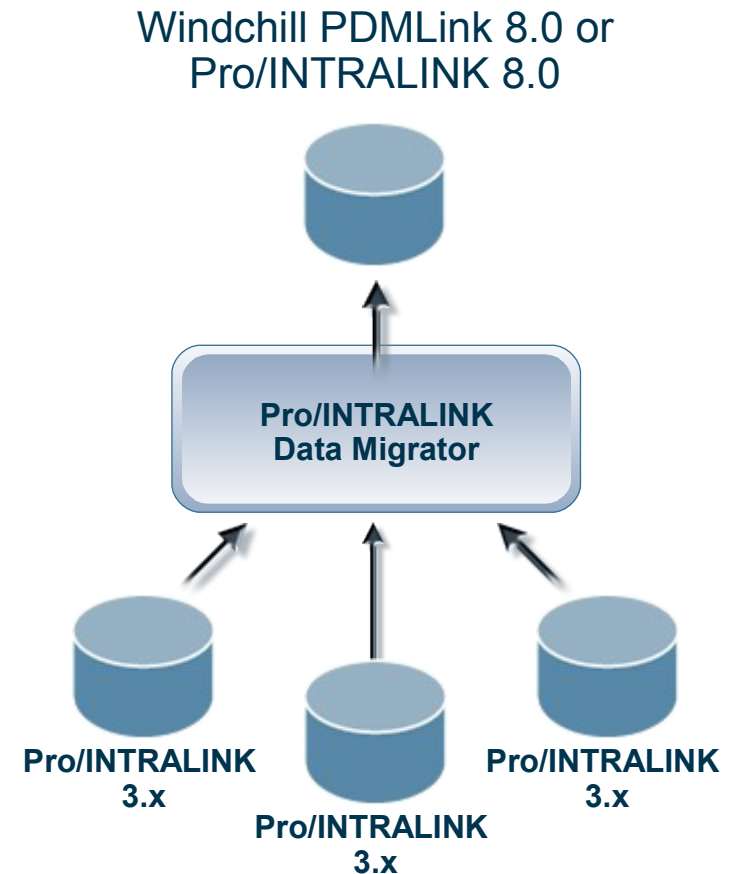
**Enables migration from Pro/INTRALINK 3.x to the 8.0 architecture**

## Key capabilities

- ◉ Consolidation of multiple Pro/INTRALINK 3.x instances
- ◉ Out of the box support for all Pro/ENGINEER file types
- ◉ Migration of non-Pro/ENGINEER data currently managed in Pro/INTRALINK
- ◉ Preservation of the history of migrated data
- ◉ Works with a pre-populated target system
- ◉ Optional part and product structure initialization

## Benefits

- ◉ Increased reuse with system consolidation
- ◉ Simplified system administration
- ◉ Improve product development in a dist. env.



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# Supported data

## Administrative Data

- ⊙ Users
- ⊙ Attribute definitions
- ⊙ Folder structure

## All Object Types

- ⊙ Both Pro/E and Non-Pro/E data
- ⊙ Maintain revision/version history
- ⊙ Main branch data only

## File content

## Relationships

## Configurations

- ⊙ Named baselines
- ⊙ As-stored transaction IDs

## Object Maturity

## Attribute Values

- ⊙ User defined
- ⊙ System attributes

## Forms

- ⊙ Completed RTP Forms
- ⊙ Check-in Form Comments

## Rename History

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# How it works

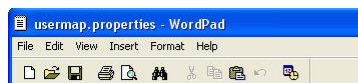
## Command line driven



```
Command Prompt
H:\>type "D:\User Profiles\ssshaw\Desktop\New Text Document.txt"
Welcome to pre-configuration for Windchill Dataloader.
*****
Main Menu
*****
1.      Test Connections
2.      Download Admin Data from Pro/INTRALINK
3.      Reconcile Admin Data for Loading
4.      Load Admin Data
5.      Map Admin Data
6.      Create Rules
7.      Verify Pre-configuration
8.      Exit
*****
Please enter the number of operation that you would like to perform <1-6>:
H:\>
```

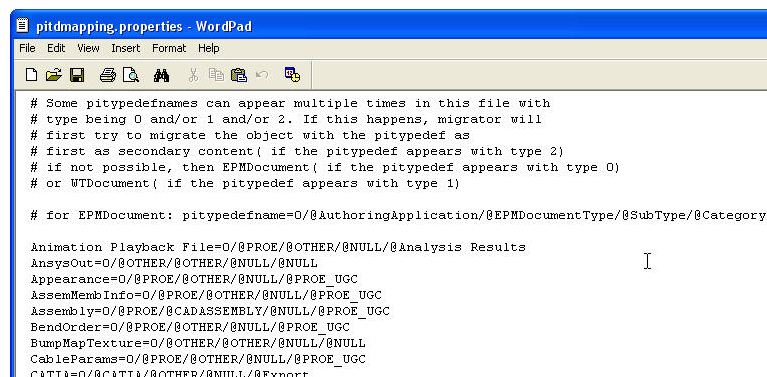
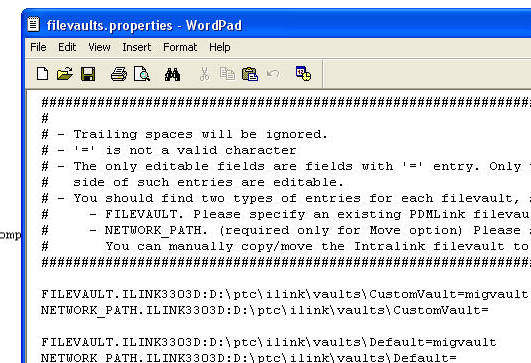
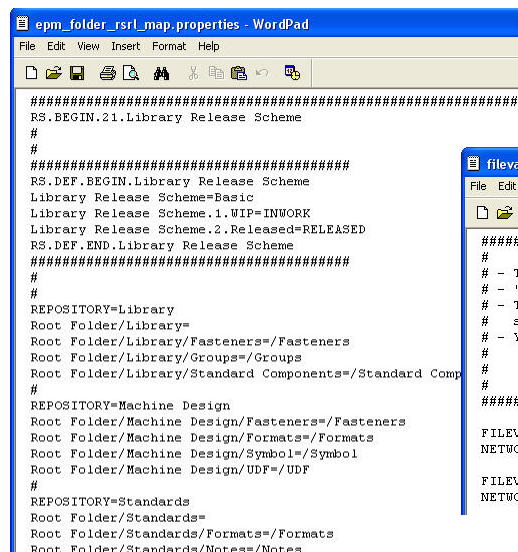
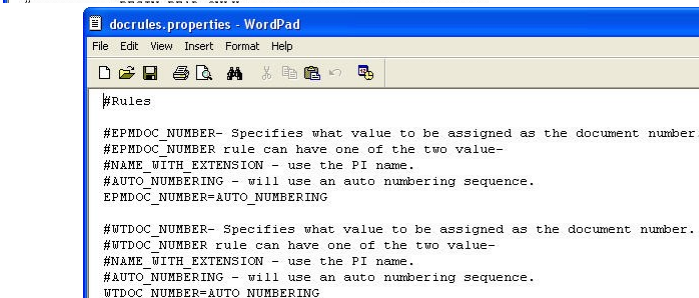
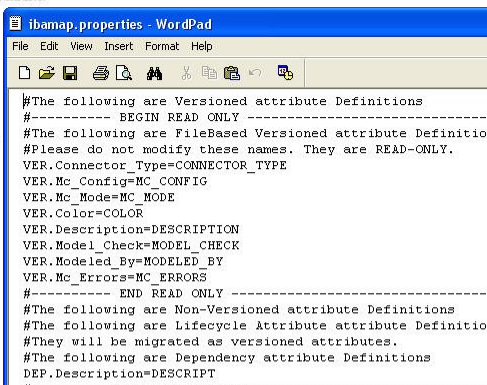
# How it works

## Controlled by host of editable mapping files

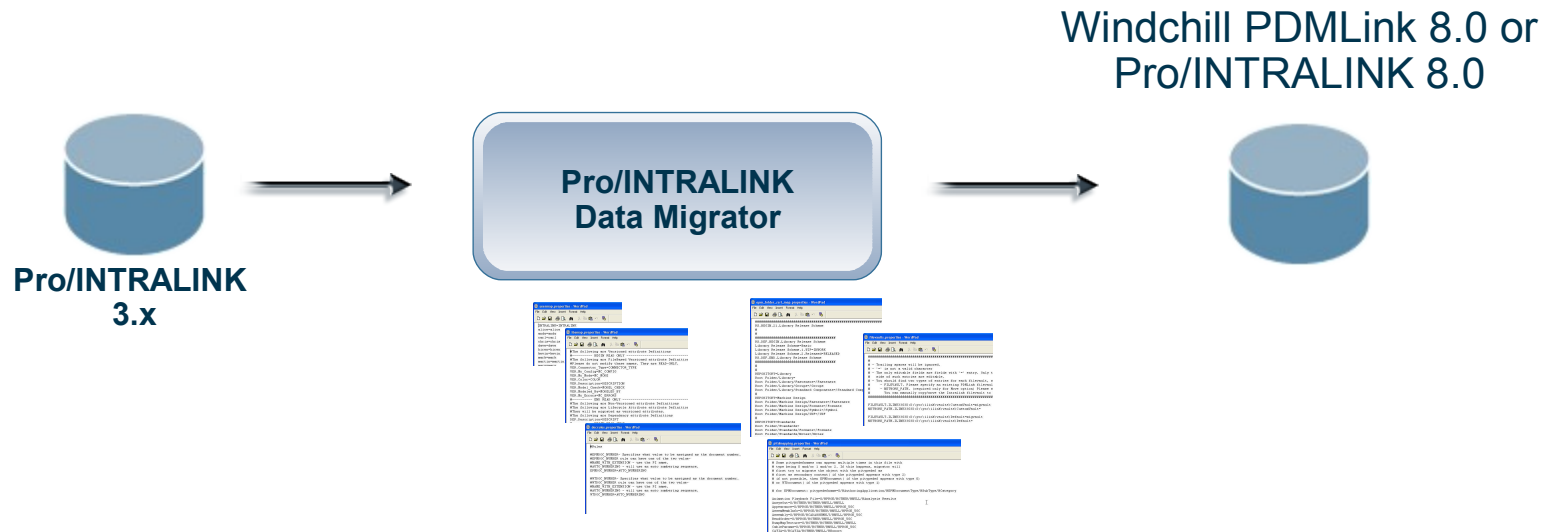


INTRALINK=INTRALINK

alice=alice  
andy=andy  
carl=carl  
chris=chris  
dave=dave  
hiren=hiren  
kevin=kevin  
mark=mark  
martin=martin



# How it works



## Database → database when possible

- ⊙ Avoiding MS business logic = performance
- ⊙ Works independently against software objects
- ⊙ Migration not complete until last object has migrated



# How it works

## Step 1: Load Administrative Data

- ⊙ Users
- ⊙ Folders
- ⊙ Attribute definitions

## Step 2: Establish and Load Mapping

## Step 3: Conflict Handling

- ⊙ Check for conflicts
- ⊙ Prescribe resolution
- ⊙ Zero conflict state required to continue

## Step 4: Initiate Migration

- ⊙ Document
- ⊙ FT
- ⊙ Link
- ⊙ UDA
- ⊙ Baseline
- ⊙ AsStored
- ⊙ RTPForm
- ⊙ RenameHistory
- ⊙ FileTransfer
- ⊙ Part
- ⊙ BuildProcess

## Step 5: Migrated data available in target

- ⊙ Unhide
- ⊙ Usable by non-administrative users

***Migrates entire Pro/INTRALINK Database (no partial migrations)***

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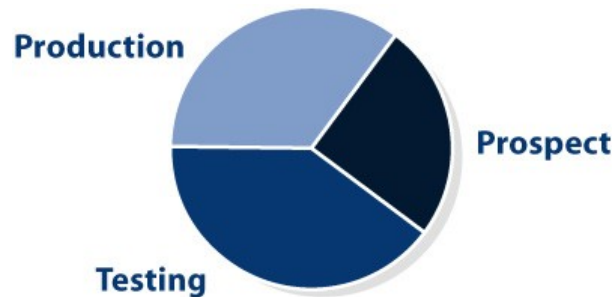
**Available resources**



# Successes – Proving the technology

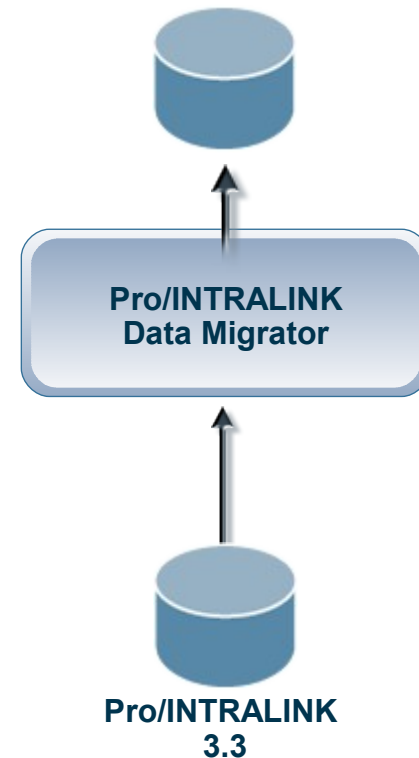
## Customers are migrating today

- ⊙ **7 Production** accounts
  - Europe & North America
  - Small & large
- ⊙ **8 Pre-production** accounts
  - Actively working through the Testing phase
  - Production slated for Q2-3
- ⊙ **Pipeline growth** continues
  - 8.0 customers lining up



Current 7.0 Migration Activities

## Windchill PDMLink 7.0



PTC Global Service led engagements

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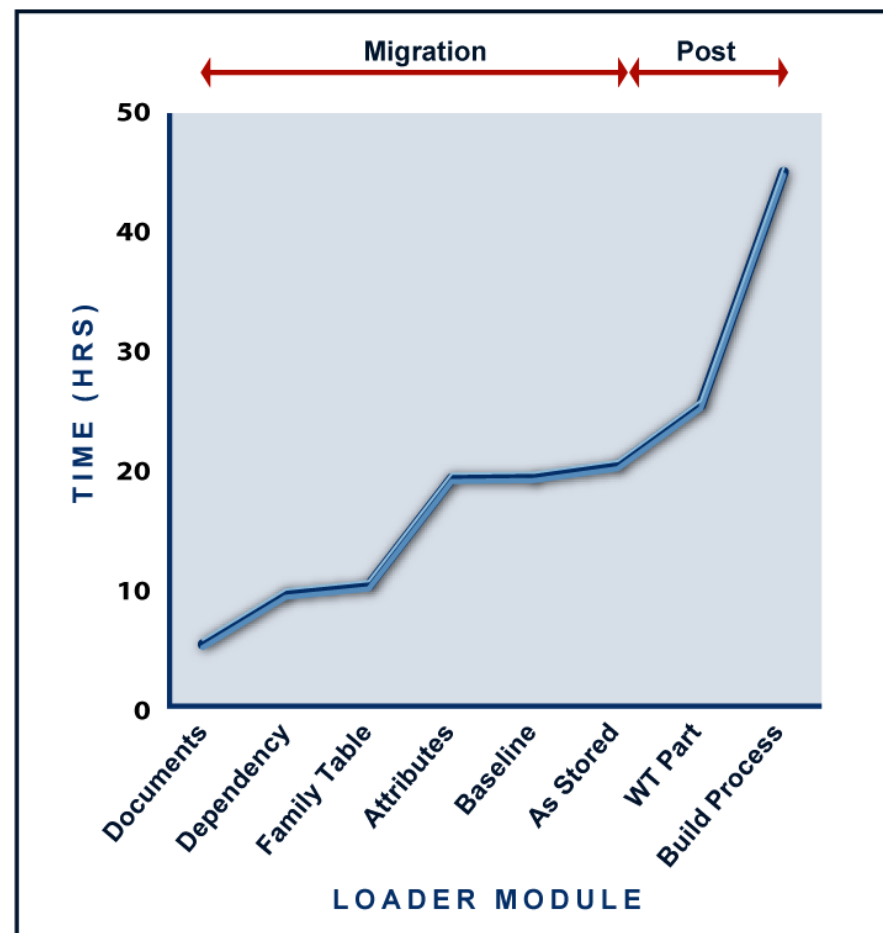


# Performance sample

## Pro/INTRALINK 3.3 Statistics

DATA TYPE	SIZE
Oracle dump file	2.9GB
PI	441662
PIV	1454047
Attributes (V, NV, LC)	20
Dependency Attributes	None
Family Table Contained in Links	1048752
Dependencies	8734573
Named Baseline	25
AsStored Transaction IDs	93507

## Migration Processing Times



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# Support information

## Software Compatibility

		← UPGRADE		
UPGRADE ↓		Pro/INTRALINK 8.0	PDMLink 8.0	Windchill Foundation 8.0
	Pro/INTRALINK 2.0 – 3.3 M0101	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Pro/INTRALINK 3.3 M02x	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
	Pro/INTRALINK 3.4	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

## OS Support

- ⊙ Windows Server 2003
- ⊙ SUN Solaris 9
- ⊙ HP-UX 11i



## Language Support

- ⊙ Not localized
- ⊙ Supports all certified Pro/INTRALINK Languages

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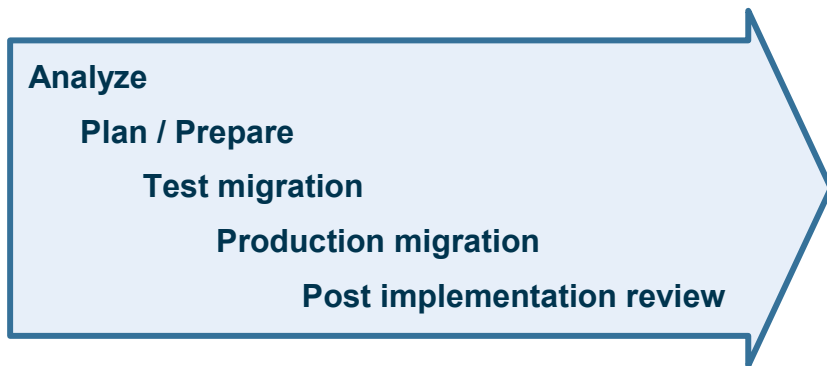




# Software Availability

## It's more than just moving data

- ⊙ People
- ⊙ Processes
- ⊙ Data is the easy part



## High Level Migration Process

## Engage PTC Global Services or Certified PTC VAR

- ⊙ Time and materials data migration depending upon customer size and complexity

## Perform the migration in-house with comprehensive offerings

- ⊙ Free to active Pro/INTRALINK customers
  - Starting mid-October Pro/INTRALINK Data Migrator software
  - Questionnaire - helping to assess your migration's complexities
- ⊙ Available Training
  - Administration (3 days)
  - Migration (2 days)

NOTE: These 2 training courses are typically held consecutively during same week. See [www.ptc.com](http://www.ptc.com) for schedules.
- ⊙ Pro/INTRALINK Migration Advisor package
  - Global Services Best Practices IP
  - 4 remote sessions with GS
  - For simple to moderately complex implementations

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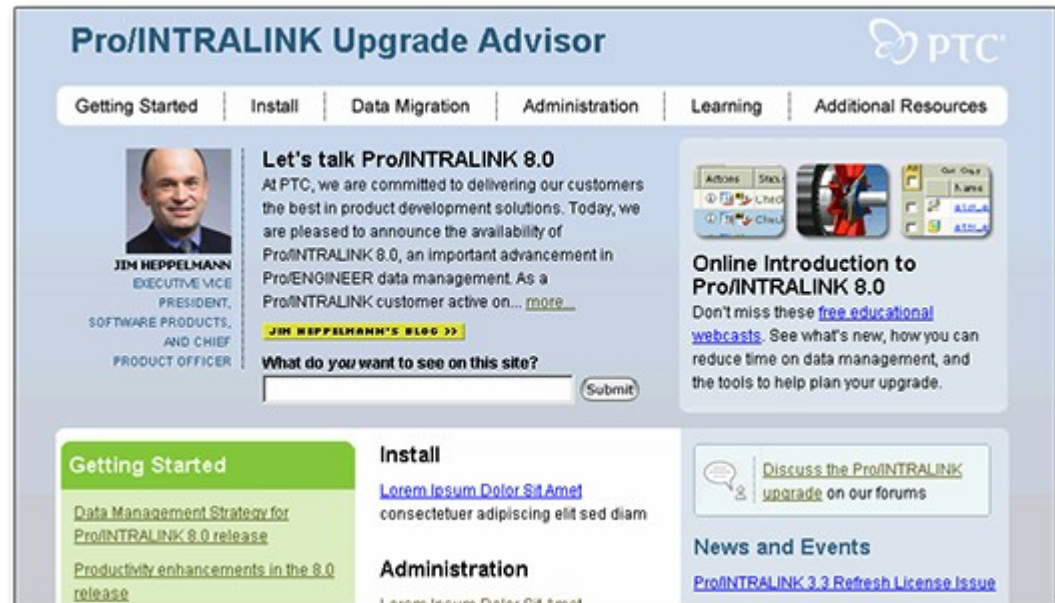
[www.PTC.com/go/ProINTRALINK](http://www.PTC.com/go/ProINTRALINK)

## Community web site for current Pro/INTRALINK customers

- ⊙ Your central on-line resource to help you plan and make the move
- ⊙ Experts who can provide advice about making the move to the new release
- ⊙ Discussion forums to communicate with experts and other users

## Find tips and resources to help you in:

- ⊙ Getting started
- ⊙ Installing
- ⊙ Migrating data
- ⊙ Administering the system
- ⊙ Learning
- ⊙ Finding additional resources





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