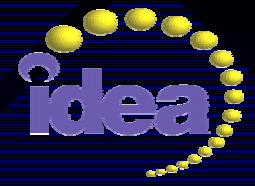




A System Overview

Robert R Kircher, Jr.
Vice President, Product Development





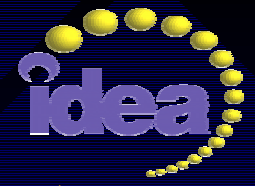
The IDEA Philosophy

What is the purpose of IDEA?



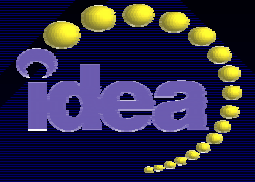
Goals

- Provide an Easy to Use Flexible Application
- Provide Application Platform for Growth and Scalability
- Provide Mechanisms for Seamless and Effortless Integration with other Systems



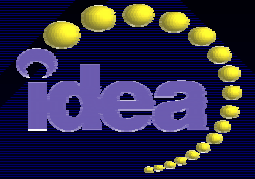
Integrated Digital Environment

- Move from Monolithic Systems to Component based Integrated Digital Environment
- Intra and Inter Corporate Environments
- Intergraded Legacy Applications
- Accommodate Digital Object Processing
 - Paper, Forms, Email, Electronic Documents, Sound, Video, Internet, Database, etc.
- Multiple Location Integrated Systems



A Platform Designed to Scale

- Scalable Architecture From Single System to Enterprise
 - Add Functionality to the Workstation;
 - Add Workstation to the System;
 - Add Servers to Expand the Enterprise
- Development Framework Provides a Powerful Platform for Integration
 - VBScript, Jscript and COM Interfaces
 - Standard Communication Between Modules
 - IDEA Framework + IDEA API = IDEA Based Solutions



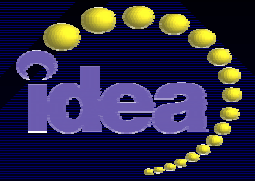
A Modular, Open Framework

- Flexible, 3-Tiered Architecture
- Object Oriented Component Design
- Works With Any ODBC Data Source
- Incorporates Widely Accepted Application Development Standards
- Based on State-of the Art Technology
 - COM/DCOM
 - OLE/DB
 - ActiveX
 - Scripting



The IDEA System

What makes up an IDEA System?



Major System Components

- IDEA Client
 - The End User View of an IDEA System
 - Features include, Indexing, Quality Control, Rescanning
- IDEA Server
 - Backend Processes for Configuration, Queue, and Database Management
 - Integration NT Security



IDEA Client

- Agent
 - Set of Engines (Object Processes) configured together to complete a specific processing task
- Indexing
 - Multi Level Structure
 - Pick Lists and Masked Data Types
- Rework
 - Insert or replace images from any Agent
 - Acquire Images From Scanner or File
- Visual Quality Control
 - Inspect the quality of any Image in a Batch



IDEA Client, Agents

- Can be equated to the User Application
- Manages a Batch of Records and associated Objects
- Control Engine Flow and Processing
 - Single to Multiple Engines
- Controls Communication between Engines, UI Components, and System Services



IDEA Client, Engines

- Perform the Actual Processes on any type Digital Object
- Processes only the Objects they Understand.
- Processes only one Object at a Time
- Example Engines: Scan, OCR, Clean-Up, Bar Code, Validation, Forms ID



IDEA Servers

- Configuration Server
 - User, Engine, Agent, Job, Index Structure, Flow, Security
- Queue Management Server
 - Automatic Batch Flow, Batch Management
- Database Server
 - Manage and Store Captured Indices
 - ODBC/SQL Compliant Data source



System Administration

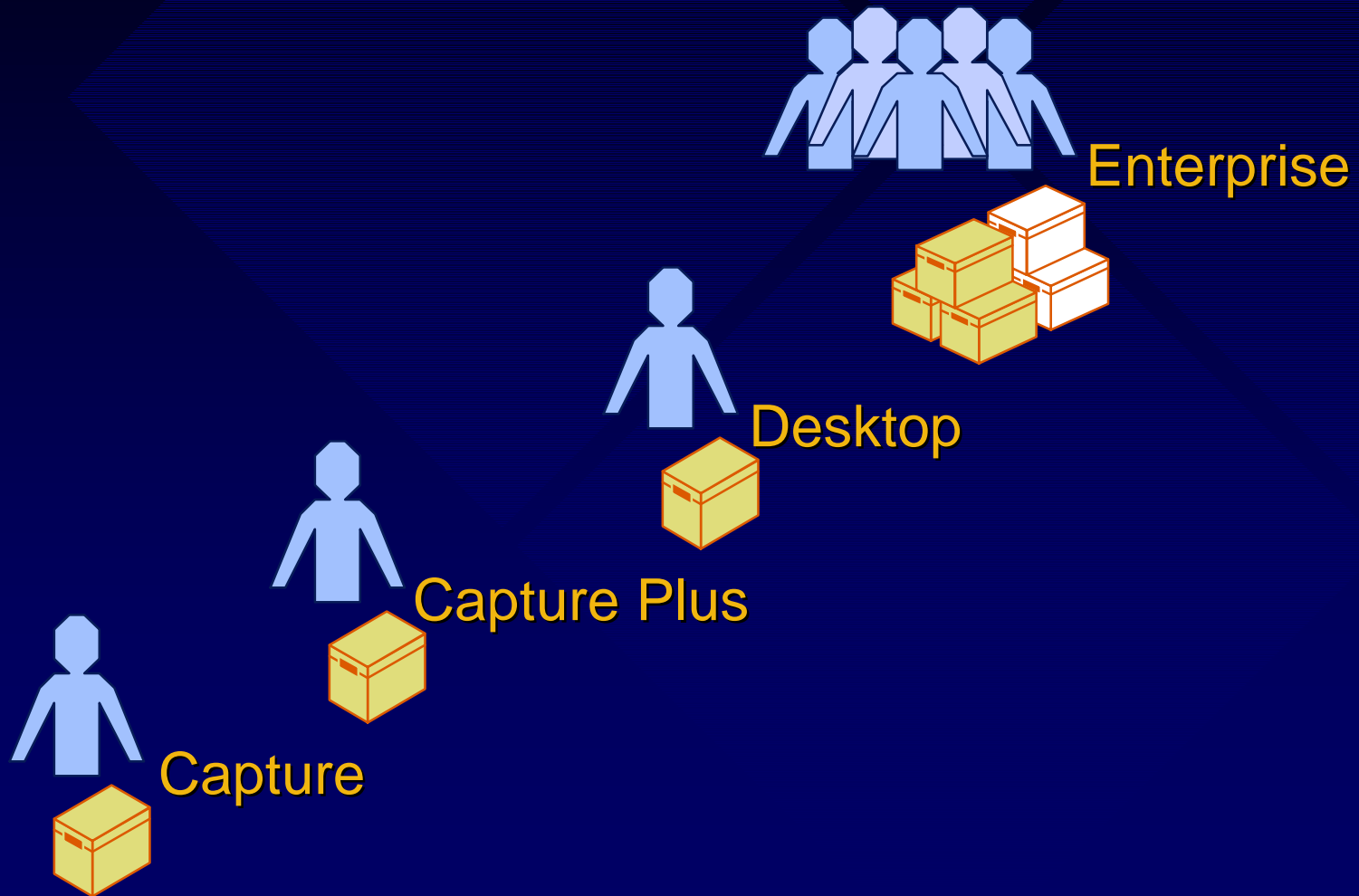
- Configure Engines
- Create and Configure Agents
- Create Jobs
 - Assign Agents and Define Index Structure, Agent Flow, and Security
- Assign Security
 - NT Integrated or IDEA provided
- Manage Batches
 - Prioritize, Move, Delete, Lock, etc.



The IDEA Products

How is IDEA presented to the market?

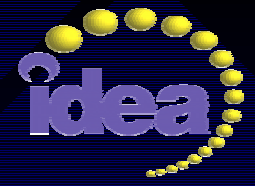
Suite of Scalable Products





Single User Systems

- IDEA Capture
 - One Agent for Scanning, Image Enhancement, Barcode, and Indexing
 - Twain Scanning Only
 - ASCII Index Storage
- IDEA Capture Plus
 - Adds a Second Agent for Scripted Output
 - Provides Access to PowerScan Scanner Drivers
- IDEA Desktop
 - Adds OCR (Zone and Full Page), Printing, Scripting, Batch Control, Automatic Batch Flow and Control, Full Administration, and Desktop Database Storage
 - User Defined Agents



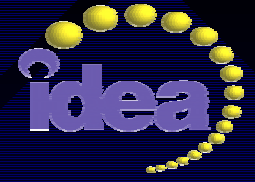
Multi User Systems

- Enterprise

- Scale from 2 to a Virtually Unlimited number of Operators
- Includes All PowerScan Scanner Drivers
- Fully Automated Batch Flow
- Customization via Scripting or COM API
- Purchase Single Connections or Multi Connection Packs

- Connection Packs

- Reduces Pricing based on Single User License
- Available Packs
 - 4 Connections
 - 8 Connections
 - 12 Connections
 - 25 Connections
 - 100 Connections



The IDEA Architecture

How is IDEA built and how does it work?



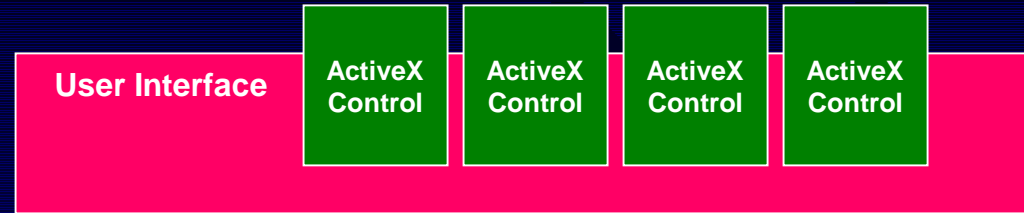
High Level Architecture

- Snap-in Features and Capabilities
- Common Shareable Components
- Multi Tiered
- Database Independent through ODBC
- Common Programming Interface

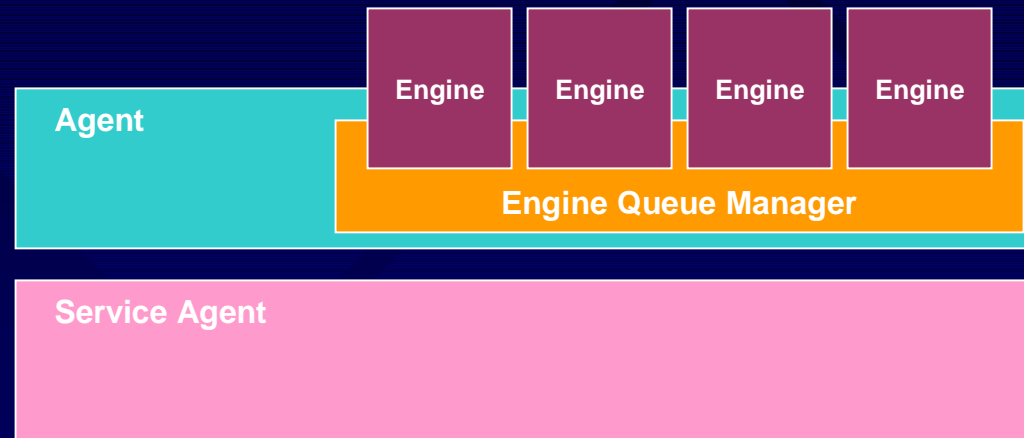


System Diagram

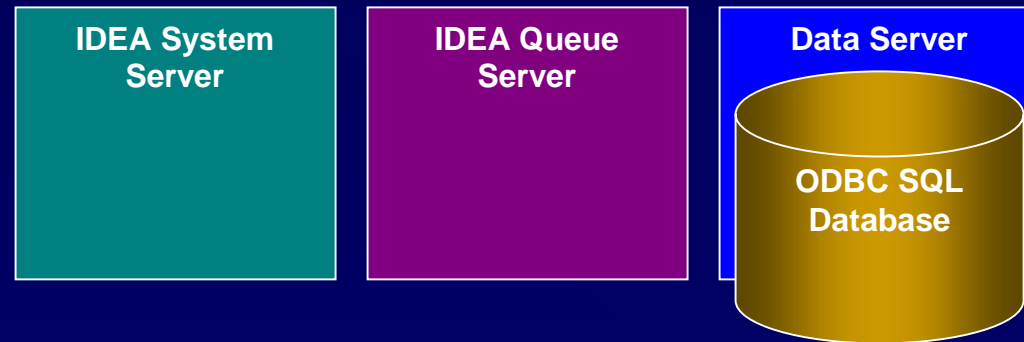
Presentation Layer

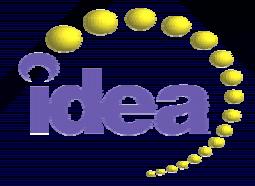


Application Layer



Data Layer





Extending IDEA

How can I extend or customize my IDEA system?



Development and Integration

- Build Engines to Suit Specific Processing Needs
- Create Additional UI Controls for Specific User Interaction
- Create Engines that Communicate to other Server Side Process
- Attach IDEA Clients to Other Queue or Workflow Systems



Provisions for Development

- Use Provided Engine Shell to Create COM based IDEA Engines
- Use Script Engine to Access Microsoft Scripting Tools
 - VBScript
 - Jscript
- Use IDEA Object Model to Embed IDEA Components into other Applications
- Use Provided Interfaces to Create Replacement or Additional User Interface Components



Results

- The First System Designed to Provide Access to the Intergraded Digital Environment
- One Integrated Software Framework for Object Processing
- Snap-In Processing
- Standards Based Communication
- Multiple Processes Operational on Single Workstations
- Truly Scaleable and Extendable System



Key Differences from StageWorks and PowerScan

- Non Proprietary Database Support
- Integrated Batch Building
- Used definable Agents (Stages)
- Integrated Scanning and Post Scan Processing
- Standard Scripting Language for Export and Custom Processing
- Rework Capabilities with in any Agent
- Indexing and other Functionality at Rework



Questions