



**SOLIDWORKS  
PDM  
Standard**

**SOLIDWORKS  
PDM  
Professional**

**3DEXPERIENCE SOLIDWORKS/  
Collaborative Designer for SOLIDWORKS  
with Collaborative Industry Innovator**

File Management			
<b>Navigating Files</b>	Emulated Windows Folders In Windows Explorer	Emulated Windows Folders In Windows Explorer	Bookmarks & Collaborative Spaces In-Browser or In-App
<b>File Type Support</b>	SOLIDWORKS Files (.sld*) Office Documents (.doc*, .xls*) Neutral CAD (.dxf, .dwg) PDF	SOLIDWORKS Files (.sld*) All Office Documents Multi-CAD & Neutral CAD PDF Any Windows-based File Format	SOLIDWORKS Files (.sld*) Office Documents DWG/DXF/PDF Multi-CAD & Neutral CAD Any Windows-based File Format
<b>Reference and Relation Management</b>	Paste as Reference Where Used/Contains (View/CSV export)	Paste as Reference Paste Shared Where Used/Contains (View/CSV export) Branch and Merge	Where Used/Contains Attachments (Office to CAD Data Only) Branch and Merge
<b>Remote File Access</b>	VPN and Login Offline Mode	VPN and Login Web2 Client (non-Design) Offline Mode	Access Files from Any Browser
<b>Distributed Team Collaboration &amp; File Access</b>	Not Supported	File and Database Replication Support	Global Access Cloud Storage
<b>Metadata (Variables/Attributes)</b>	Configurable Variables Version-Free Variables Default Values Searchable via Data Cards Mandatory Values Mapping to Office and CAD Files	Configurable Variables Version-Free Variables Default Values Formulas/Driven Values Searchable via Data Cards Mandatory Values Mapping to Office and CAD Files	Configurable Attribute Version-Free Attribute Default Values Searchable via 6W Tags Mapping to CAD Files Attribute chart generation
<b>File Previews</b>	Thumbnails Embedded eDrawings CAD, Office, PDF, HTML	Thumbnails Embedded eDrawings CAD, Office, PDF, HTML	Thumbnails 3D Play CAD, Office, PDF
<b>Version History</b>	Version on Each Check-In Optional Latest Version Overwrite Rollback and Restore	Version on Each Check-In Optional Latest Version Overwrite Rollback and Restore	Supported with Minor Revisions
<b>Version Management</b>	Warn When Working with Older Version Allow/Dissallow Working with Older Version	Warn When Working with Older Version Allow/Dissallow Working with Older Version	Manual Management Warn when working with older versions
<b>File Deletion</b>	Delete and Destroy Recycle Bin Permission-Control	Delete and Destroy Recycle Bin Permission-Controlled	No Recycle Bin (Destroy Only)
<b>Overwrite Protection</b>	Mandated Check-In/Check-Out Local Copy	Mandated Check-In/Check-Out Local Copy	Manual Lock/Unlock Local Copy
<b>File Duplication Prevention</b>	Vault-wide Support Admin-controlled	Vault-wide Support Admin-controlled	System-wide Support Admin-controlled

<b>Searching</b>	Quick Search Pre-configured Complete Search Card with Operators Search on any Variable or File Property Recursive Search Control Configurable Result Set SQL Query	Quick Search Pre-configured Complete Search Card with Operators Configurable Search Cards with Operators Dedicated Search Tool Configurable Result Set Search Favorites Search on any Variable or File Property Recursive Search Control SQL Query	System-wide Search Search in Current Page 6W Tag Based Search Favorite Search Pin search to Dashboard User Query Language (Advanced Searching)
<b>Configuration Support</b>	Separate Data Card Tabs Serial Number per File	Separate Data Card Tabs Serial Number per File	Physical Products & Representations EIN (part number) per Physical Product No Derived Configuration
<b>3D Interconnect Support</b>	Fully Supported	Fully Supported	References Dissolved on Cloud Save
<b>Serial Number Generation</b>	Not Supported	Multiple Serial Number Definitions Automated on File Creation Fully Configurable Intelligent Values Not Formula-Driven	One EIN (part number) Definition On-Demand EIN (part number) Assignment Fully Configurable Not Formula-Driven
<b>Neutral File Exports</b>	Manual Convert to PDF Individual and Batch	Mutiple File Format Conversion Manual and Automatic Individual and Batch	Convert to PDF, STEP, ACIS Manual and Automatic
<b>Lists</b>	Configurable Drop Downs	Configurable Drop Downs Dynamic Drop Downs	Configurable Drop Downs
<b>Microsoft Office Add-in</b>	Not Supported	Supported	Supported
<b>File/Folder Templates</b>	Not Supported	File and Folder Templates Supported	File Templates Supported
<b>Lifecycle Management</b>			
<b>Revision Management</b>	Auotmated Incrementation Revision Comments (optional or mandatory) Rollback & Restore Child State Blocking	Auotmated Incrementation Revision Comments (optional or mandatory) Rollback & Restore Version on Each Check-In Child State Blocking	Auotmated Incrementation Revision Comments (optional) Rollback Can be driven with Change Actions & Issues On-demand revisoning
<b>Revision Table Support</b>	SOLIDWORKS Revision Tables Supported Rolling Rev Table	SOLIDWORKS Revision Tables Supported Rolling Rev Table	SOLIDWORKS Revision Tables Not Supported
<b>Tasks</b>	No Task Object Type Workflow History for any Vaulted File (PDF) Includes Version, User, Date/Time, Comments	No Task Object Type Workflow History for any Vaulted File (PDF) Includes Version, User, Date/Time, Comments Workflow Transitions to Notify Users/Groups Delayed in State Actions No Scheduling	Approvals Reports (View/PDF/CSV) To Do, In Work, Completed Attachments, Deliverables, Direct Upload Scheduling (Priority, Due Date, Estimated Duration) Dependencies with Add'l Roles
<b>Revision Schemes</b>	One Revision Scheme Major and Optional Minor Alpha and/or Numeric	Multiple Revision Schemes Major and Optional Minor Alpha and/or Numeric	One Revision Scheme Major and Optional Minor Alpha or Numeric Major Numeric Minor

<b>Maturity Tracking</b>	CAD File Maturity Baked into Workflow Workflow Transitions Workflow History for any Vaulted File (PDF) Includes Version, User, Date/Time, Comments Fully Configurable	Any File Maturity Baked into Workflow Workflow Transitions Workflow History for any Vaulted File (PDF) Includes Version, User, Date/Time, Comments Fully Configurable	Product Development Maturity Separate Maturity Flow and Routes Cannot Configure Maturity States
<b>Business Processes Management</b>	One Workflow 10 States Fully Configurable Conditional Manual Transitions	Unlimited Workflows Unlimited States Fully Configurable Conditional Manual and Automatic Transitions	Unlimited Routes (Approvals and Processes) Unlimited Tasks On-The-Fly Routes Fully Configurable
<b>Issue/Project Management</b>	Not Supported	Not Supported	Out-of-the-Box Support Gantt Charts with Add'l Roles Multiple Changes Per Issue
<b>Change Management</b>	Limited Support	Configurable via Workflow	Out-of-the-Box Support Automated Change Tracking
<b>BOM/Item Management</b>	CAD BOM (View/CSV export) Named BOM (View/CSV export) Computed BOM (View/CSV export) BOM Compare (View/CSV export)	CAD BOM (View/CSV export) Named BOM (View/CSV export) Computed BOM (View/CSV export) BOM Compare (View/CSV export) Automated BOM Export ERP Integration Support	CAD-Managed ERP Integration Support with Add'l Roles BOM Management with Add'l Roles
<b>Approvals</b>	Limited Support	Fully Supported X of Y Approvals Parallel Approvals Group Approvals Sequential Approvals Delayed in State Notifications Alternate Approval Automated Approval Routing	Fully Supported X of Y Approvals Parallel Approvals Group Approvals Sequential Approvals Delayed in State Notifications Alternate Approval Automated Approval Routing
<b>Collaboration</b>			
<b>Communication</b>	Limited Messaging Support Transition/Revision Comment	Limited Messaging Support Transition/Revision Comment	Messaging Video Calling Screen Sharing Transition/Revision/File Commenting Communities
<b>Notifications</b>	In-App	In-App SMTP/Email	Notification Center Alert (In-App) Browser SMTP/Email Mobile Push Notifications* for Communities and Messaging
<b>Dashboards and Reports</b>	Not Supported	Templates to Create Project Directories & Files Report Generator SQL Database Reporting Tools	Configurable Dashboards Issue & Change Reports
<b>External Sharing</b>	Pack and Go (SOLIDWORKS Required) Licensed Collaborators Download from Vault	Pack and Go (SOLIDWORKS Required) Licensed Collaborators Download from Vault Third Party Tools	Pack and Go (SOLIDWORKS Required) Licensed Collaborators Download from Vault 3D Drive

<b>Regulatory Agency Compliance</b>	None	FDA, RoHS, ISO 9001 and 14000, ANSI, etc.	Limited Support (e.g. FDA) Add'l Roles Required (GLR, EAD, LRA, RCF) ITAR Not Supported
<b>Administration</b>			
<b>Licensing</b>	Floating Network or Single-Activation Named User Server/Client Authentication	Floating Network or Single-Activation Named User Server/Client Authentication	Global Access Named User Online Authentication
<b>Security/Access Control</b>	Viewers, Contributors, Editors, Universal Clients Folder, Workflow, Tasks, Templates, Search Card, BOM Permissions User and Group Level	Viewers, Contributors, Editors, Universal, Web Clients Folder, Workflow, Tasks, Templates, Search Card, BOM Permissions User and Group Level	Role-Based Collaborative Space, Bookmark, Maturity, Route Permissions ISO-27001
<b>Integration/Automation</b>	SOLIDWORKS API Only	Full API	SOLIDWORKS API Only
<b>Client Environment</b>	Windows PC	Windows PC	Windows PC (For SOLIDWORKS) Browser-Based (Platform Tools) Universal Device Support
<b>Ancillary Software (RDBMS)</b>	SQL Server Express	SQL Server Standard	Included with 3DEXPERIENCE No Setup Required
<b>Server Operating System</b>	Windows Server	Windows Server	N/A
<b>Server Environment</b>	Physical or Cloud (Azure or AWS)	Physical or Cloud (Azure or AWS)	Fully Hosted 3DEXPERIENCE Data Centers (Not ITAR Compliant)
<b>Maintenance</b>	Database Maintenance Schedule File Backups Requires Admin/IT/Reseller Support	Database Maintenance Schedule File Backups Requires Admin/IT/Reseller Support	Cloud-Managed No IT Maintenance Requirements
<b>User/Group Management</b>	User and Group Permissions	User and Group Permissions SSO Support (Windows/Azure AD)	User Group Permissions and Assignment
<b>Installation Process</b>	SOLIDWORKS Installation Manager Serial Number Based SQL Installation	SOLIDWORKS Installation Manager Serial Number Based SQL Installation	Simplified SOLIDWORKS Installation Platform Tools are Browser-Based (No Install)
<b>Upgrade Schedule</b>	Optional Beta Program 1 Major Release & 5 Service Packs/Year Manual Hotfixes Co-released with SOLIDWORKS	Optional Beta Program 1 Major Release & 5 Service Packs/Year Manual Hotfixes Co-released with SOLIDWORKS	1 Major Release & 5 Service Packs/Year Frequent Hotfixes Co-released with SOLIDWORKS
<b>Installation/Upgrade Requirements</b>	Manual Upgrades (File and Database Servers) Requires Admin/IT/Reseller Support Not Mandated Remote Deploy (Push or Pull) to Clients Supported	Manual Upgrades (File and Database Servers) Requires Admin/IT/Reseller Support Not Mandated Remote Deploy (Push or Pull) to Clients Supported	Automated Server Upgrades Semi-Automated Client Upgrades Mandatory (14-Day Grace Period) Remote Deploy (Push or Pull) to Clients Not Supported