

Deltek.

Deltek Acumen 8.11

Technical Overview and System Requirements

December 5, 2025



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Overview

This document is meant to serve as a guideline for hardware and software requirements and provides your firm's IT department with information about the technical deployment architecture.

It is important to note that the choices of hardware, relational database software, and operating system in these examples represent guidelines, are subject to change, and do not replace a needs analysis and site survey with a Deltek Technical Consultant. Contact a Deltek Technical Systems Engineer for suitability of legacy equipment.

Consulting

Deltek, Inc. can provide onsite consulting and training services as well as phone support on a contract or time-and-materials basis.

Additional Notes

The evolution of technology dictates the way IT professionals plan their network hardware and software environments. While this document does not account for all possible options in the deployment of Deltek software, it does provide specific recommendations based on testing metrics and years of experience working directly with Deltek customers.

Prior to making assumptions on how specific third-party technologies will perform with Deltek applications, Deltek recommends contacting your sales representative to arrange a discussion with a Deltek Technical Systems Engineer who can help you plan for a cost-effective and optimally performing application environment.

Legal Disclaimer: The recommendations in this document are intended to convey general information and should not be relied upon as a substitute for a professional consultation with Deltek. All of the information in this document is provided "as is" and without warranties of any kind, either expressed or implied.

Before You Begin Deployment

Before you begin deployment, it is important that you understand the following:

- Logical Tiers
- Installation/Deployment Models
- Hardware and Software Requirements

Logical Tier Overview

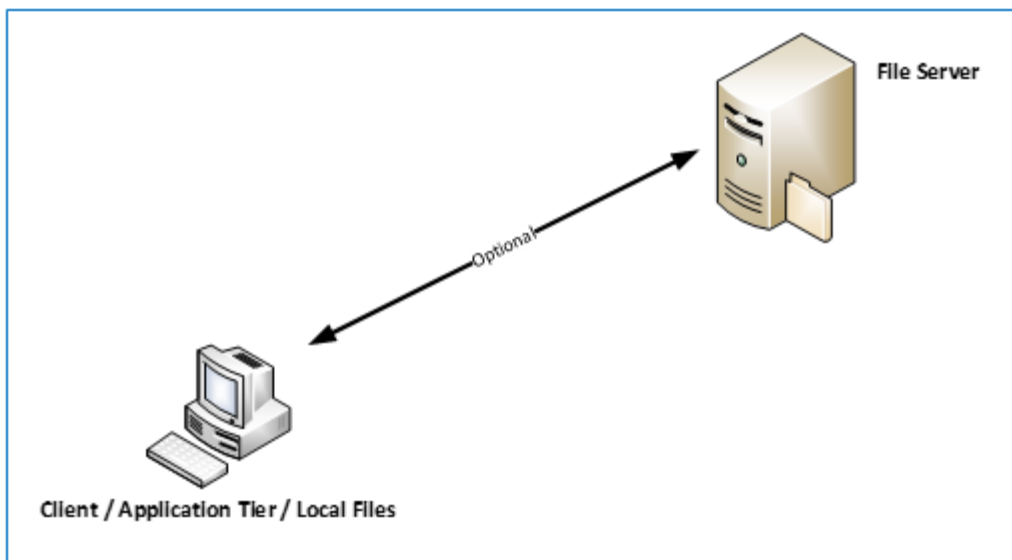
Acumen uses a single tier architecture. The logical tier is as follows:

- **Client/Application Tier:** This tier performs Acumen's functional process logic and provides the user interface layer. This tier can be a workstation or a Citrix/Terminal Server.

Installation/Deployment Models

Application Deployment

This model is designed for a single-user setup. The client and application tiers reside on the same machine. There is no backend database tier required to store Acumen data. This tier can be a workstation or a Citrix/Terminal Server.



Installation Overview

| Feature | Description |
|--------------|--|
| Installation | Download the software using Deltek Software Manager. |

| | |
|---------------------------------|--|
| <p>Sample Files</p> | <p>The sample files are available in the C:\Program Files\Deltek\Acumen 8.11\Samples folder in your computer.</p> <p>A shortcut for the Samples folder is also available on the Start menu.</p> |
| <p>Templates</p> | <p>The sample template files are available in the C:\Program Files\Deltek\Acumen 8.11\Templates folder in your computer.</p> <p>A shortcut for the Templates folder is also available on the Start menu.</p> |
| <p>Documentation</p> | <p>The PDF guides are available in the C:\Program Files\Deltek\Acumen 8.11\Documentation folder in your computer.</p> <p>A shortcut for the Documentation folder is also available on the Start menu.</p> |
| <p>DECM Sample Files</p> | <p>The sample files and templates are available in the C:\Program Files\Deltek\Acumen 8.11\Templates folder in your computer.</p> <p>If you have questions or comments on them, please communicate with your DOE contact person.</p> |
| <p>Check for Updates</p> | <p>Log in to Deltek Software Manager and manually check, or you can subscribe to product updates in DSM so that you get email notifications whenever there is an update.</p> <div style="border: 1px solid #0070C0; padding: 5px; margin-top: 10px;"> <p>Attention: For steps to set up a DSM subscription, see "Subscribe to a Product Version in DSM" in the <i>Deltek Acumen 8.11 Installation Guide</i>.</p> </div> |

Unsupported Scenarios

The Acumen installation does not support installing any Acumen tiers on any of the following servers:

- Domain Controller
- Microsoft Exchange Server
- Proxy, Firewall, or ISA Server
- Microsoft SharePoint Portal Server
- Installing any Acumen Tier on Small Business/Essential Business Server

Using these services/servers can cause significant issues in the performance, reliability, and functionality of the Acumen application and the other applications on your network.

System Requirements

Your organization has made a substantial commitment to project management. To support that commitment, Deltek recommends that you carefully consider the hardware requirements necessary to run Acumen properly.

Platform Virtualization

Platform Virtualization is a technology that enables multiple operating systems and platforms to run simultaneously as separate virtual machines on a single set of server hardware.

Deltek recognizes the growing use of virtual and cloud environments by our customers. Cloud environments consist of hosted resources that typically include virtual environments made available over the internet, such as “Amazon Web Services.” Virtual environment software, such as “VMware,” resides in the hardware layer underneath the operating system and is used to partition a single server or cloud environment into a multiple server/multiple operating system environment. Deltek product development makes extensive use of cloud and virtualized environments.

Support of Virtual Environments

Deltek supports customers who run its products on any of the supported native operating systems (whereby “native operating systems” means any operating system specified in the *Deltek Product Support Compatibility Matrix* available on the Deltek Customer Care Connect site), irrespective of whether or not they are running in a cloud and/or a virtualized environment. However, Deltek does not have the capacity to rigorously test its products inside the many available cloud and virtualized environments.

Each cloud and virtual environment software supports a set of operating systems and hardware certified by the software operating system and cloud/hardware vendors. The customer and virtualization vendor are responsible for any interactions and/or issues that arise at the hardware or operating system layer as a result of their use of a cloud-based environment and/or virtualization software. Virtualization software is supplied in both production and nonproduction versions. Deltek will only support the use of its products inside virtualization products that are recommended by the virtualization vendors for enterprise production use and as further described below.

Troubleshooting and Fixes

The following requirements apply to those Deltek customers who experience issues with the Deltek software while using such products inside cloud and/or virtual environments:

- Deltek may request its customers to diagnose issues in a native certified operating system environment without the use of virtualization and/or within a non-cloud-based environment. Deltek will make this request only when there is reason to believe that the cloud or virtual environment is a contributing factor to the issue.
- Software problems will be fixed only if they can be replicated in a dedicated local hardware and operating system environment without the use of virtualization.

Deltek Customer Support is unable to accept virtual images from customers in order to evaluate problems in deployments using virtualization.

Performance

The use of cloud-based environment and/or virtualization software adds software overhead which may impact performance or scalability of all Deltek software products. Customers should not interpret any Deltek performance recommendations for the Deltek software on a dedicated hardware platform as directly applicable to one or more cloud or virtual environments running on the same or similar hardware. The customer should consult with its cloud and/or virtualization software vendor with respect to virtual system performance and tuning.

Recommendation

Deltek will continue to develop knowledge about the use of virtualization software solutions as these solutions continue to mature and extend into our user communities' information technology infrastructure. Deltek strongly recommends that its customers deploy the Deltek software in a nonproduction environment when initially utilizing virtualization technology as a first step. By doing so, the customer will allow for resolution of any issues and customer specific performance data to be developed for the virtual environment solution without having an adverse impact on production operations. Please contact Deltek Customer Support for additional information on use of the Deltek software in a virtualized environment.

Note: Acumen is a multi-threaded application that takes advantage of multi-core processors.

Display Settings

Deltek recommends a display resolution of 1920 × 1080 with a minimum resolution of 1024 × 768.

Hardware Sizing Considerations

There are several factors that go into sizing an appropriate server infrastructure. The number of concurrent users accessing the system at any given time, the amount of data being analyzed, the number of code and other user-defined fields loaded from schedules, customizations, and growth expectations all have an impact on the initial sizing plans. The hardware profiles are intended as a starting point for deployment. Further in-depth discussion of the business needs of the solution during implementation of application will provide final guidance on hardware requirements.

Multi-Threading

Acumen tries to use as many CPUs as the computer has available when performing certain calculations (running Diagnostics, Risk Analysis, and so on).

Note: In Acumen 8.3 and above, there is an option to control the maximum number of threads used during risk analysis.

Memory Requirements for Typical/Average Use

The table below includes details about the Acumen memory footprint. This can be helpful when sizing a client tier that runs in a virtual environment, Citrix, or Terminal Server.

| Tier | Memory |
|------------------------------------|--|
| Database Tier | <p>Database instance memory should be 10%–15% of the database size. For example, if database size is expected to be 500 GB, then allocate 50 GB–75 GB memory. This is in addition to any memory needed for the operating system and other applications that may run in parallel with Acumen.</p> <div style="border: 1px solid #0056b3; padding: 5px; margin-top: 10px;"> <p>Attention: For related information, see “Publish Metric Results and Definitions to a Database” in the <i>Deltek Acumen 8.11 Installation Guide</i>.</p> </div> |
| Client/Terminal Server Tier | <p>This is per concurrent client instance and in addition to any memory needed for the operating system and other applications that may run in parallel.</p> <ul style="list-style-type: none"> ▪ 2GB: Typical project size is <10K activities. ▪ 4GB: Typical project size is 10K–50K activities. ▪ 8GB: Typical project size is >50K activities. |

Definition of Typical/Average Use

Acumen defines typical/average use as a user working with moderate-size projects (10,000–20,000 activities), one project at a time. When combining multiple months’ worth of data or multiple projects in a workbook, consider the total expected size of the data. For example, three months’ worth of a 10k activity project is 30k activities.

Hardware Requirements

The number of people using Acumen, the Acumen processes they are using, and the size of the projects all have an effect on the server hardware and software requirements.

Stand-Alone Deployment

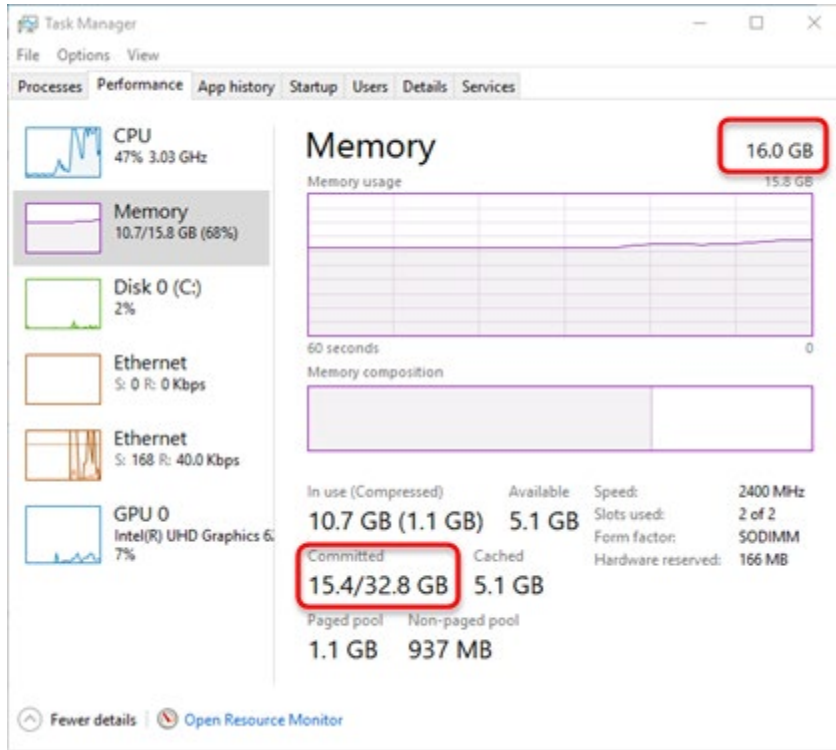
The following table lists the recommended minimum hardware requirements for a deployment of Deltek Acumen in a stand-alone workstation environment.

| Tier | Hardware Required | Determining Factors |
|--------------------------------|---|---|
| Client/Application Tier | <ul style="list-style-type: none"> ▪ 2.0 GHz or higher, 4 cores recommended, 2 cores minimum ▪ 16 GB RAM recommended ▪ SSD with at least 50 GB free space (to give the page file room to grow) | <ul style="list-style-type: none"> ▪ Usage ▪ Integration Requirements |

Using Task Manager to View Information about Physical Memory and the Page File

- The number in the top-right corner of the view displays the amount of physical RAM.

- The **Committed** field displays how much memory the page file has been allocated and how much is currently in use. When you run large Acumen Risk jobs, the page file can grow to accommodate the large jobs.



Virtual Machine (VM)

If Acumen is hosted on a virtual machine, Deltek recommends the following:

| Component | Recommended Hardware |
|-----------|--|
| CPU | <ul style="list-style-type: none"> ▪ Multi-core CPU: Acumen is a multi-threaded application that takes advantage of multi-core processors. |

Acumen Risk can require a large virtual address space; therefore, Deltek recommends enabling memory ballooning.

Resources are sometimes scarce on a VM, and the Administrator may sometimes disable the page file. It is often better from a performance standpoint to make sure that the VM has sufficient memory so that it doesn't have to use the page file. One exception is when you are using a Hyper-V host. Microsoft recommends that you configure a Hyper-V host to use system-managed page files so that it can dynamically manage the memory allocations.

Database Requirements

If you intend to publish Acumen metric results and definitions to a database, you need to have a database and data source configured.

Attention: See "Publish Metric Results and Definitions to a Database" in the *Deltek Acumen 8.11 Installation Guide*.

Software Requirements

This section lists the supported and compatible deployment technology.

Attention: For a complete list of the recommended minimum software requirements, see the *Deltek Product Support Compatibility Matrix* document that you can download from the Deltek Customer Care Connect site.

64-Bit Application

Acumen is a 64-bit application.

Supported Deployment Technology

Note: Supported versions are the currently actively tested versions of technologies used to deploy Acumen. Except for the Deltek Integrated Products, these technologies are not directly supported by Deltek. Changes to these technologies occur at the discretion of the individual technology vendors.

| Category | Supported Deployment Technology |
|--------------------------|---|
| Operating Systems | <p>Windows Server</p> <ul style="list-style-type: none"> ▪ Windows Server 2019 ▪ Windows Server 2022 ▪ Windows Server 2025 ▪ Microsoft Windows Server 2022 Azure Edition <p>Windows</p> <ul style="list-style-type: none"> ▪ Windows 10 ▪ Windows 11 <p>Citrix</p> <ul style="list-style-type: none"> ▪ Citrix Virtual Apps and Desktop 7.* (Win Svr 2019) ▪ Citrix Virtual Apps and Desktop 7.* (Win Svr 2022) <p>VMWare Horizon</p> <ul style="list-style-type: none"> ▪ VMWare Horizon 8 <p>Server 2022 Azure Edition</p> <p>Web Server</p> |

| | |
|--------------------------|---|
| | <ul style="list-style-type: none"> ▪ IIS 10 (Win Svr 2019) ▪ IIS 10 (Win Svr 2022) |
| Database Platform | <p>Azure SQL</p> <p>Microsoft SQL Server</p> <ul style="list-style-type: none"> ▪ SQL Server 2019 ▪ SQL Server 2022 <p>SQL Server is supported on Linux and Unix.</p> <p>Oracle</p> <ul style="list-style-type: none"> ▪ Oracle 19.3 <p>Oracle is supported on Linux, Unix, and Exadata.</p> <div style="border: 1px solid blue; padding: 5px; margin-top: 10px;"> <p>Note: For information about using a database, see “Publish Metric Results and Definitions to a Database” in the Deltek Acumen Installation Guide.</p> </div> |
| Database Driver | <p>Acumen supports Oracle and SQL Server databases through an OLEDB 2.1 compliant provider. The data source providers to use for each database type are listed below.</p> <ul style="list-style-type: none"> ▪ Oracle Provider for OLE DB ▪ Oracle Data Provider for .NET (ODP.NET) ▪ MS SQL Server Native Client 11.0 (SQL Server 2012 Native Client, version 11.4.7001.0 or higher) <div style="border: 1px solid blue; padding: 5px; margin-top: 10px;"> <p>Note: For information about this support matrix, see Support Policies for SQL Server Native Client.</p> </div> <ul style="list-style-type: none"> ▪ MS OLE DB Driver for SQL Server, version 18.2.2.0 or higher |
| AI Model Provider | <ul style="list-style-type: none"> ▪ Azure Cloud - Model GPT-4o ▪ Azure Government - Azure GPT-4o |
| Scheduling Tools | <p>Acumen integrates with multiple project management platforms. Each Acumen workbook can contain projects from any of the following platforms:</p> <p>Microsoft Project</p> <p>Acumen links to MS Project files through your installed copy of MS Project or by directly reading an MS Project file (without needing MSP installed on your PC).</p> <ul style="list-style-type: none"> ▪ Microsoft Project Standard |

- Microsoft Project Standard 2021
- Microsoft Project Standard 2024
- **Microsoft Project Professional**
 - Microsoft Project Professional 2021
 - Microsoft Project Professional 2024
- **Microsoft Project Online**
- **Microsoft Project Server**
 - Microsoft Project Server 2016
 - Microsoft Project Server 2019

Note: Because MSP Server runs on SharePoint, it uses the same authentication scheme that is configured on the SharePoint server.

Acumen allows http or https secure connections to MSP Server.

Acumen does not support Two-Factor Authentication (2FA). If the server is configured for 2FA, you can create an App password for Acumen.

Oracle

- **Risk Analysis**
 - Risk Analysis 8.x
- **Primavera P6 (XER, Web, and XML)**
 - Primavera P6 20.12
 - Primavera P6 21.12
 - Primavera P6 22.12
 - Primavera P6 23.12
 - Primavera P6 24.12

Note: Acumen supports Oracle-hosted P6 web as part of the integration with Primavera Web Services.

Acumen does not support Two-Factor Authentication (2FA). If the server is configured for 2FA, you can create an App password for Acumen.

Other

- Safran 22.2
- IPMDAR Schedule Performance Formal (SPD)

| | |
|--|---|
| | <ul style="list-style-type: none"> ▪ IPMDAR Contract Performance Format (CPD) ▪ UN/CEFACT (IPMDR Format 6 v1.0) ▪ Ares Prism G2 ▪ Phoenix 5.6 ▪ PowerProject 17.3 ▪ PowerProject 18 <div style="border: 1px solid blue; padding: 5px; margin-top: 10px;"> <p>Note: For upgrade information, see “Upgrading Powerproject” in the Deltek Acumen Installation Guide.</p> </div> |
| <p>Deltek Integrated Products</p> | <p>Deltek Cobra</p> <ul style="list-style-type: none"> ▪ Deltek Cobra 8.6 ▪ Deltek Cobra 8.7 <p>Deltek EPM Security Administrator</p> <ul style="list-style-type: none"> ▪ Deltek EPM Security Administrator 8.6 <p>Deltek Open Plan</p> <ul style="list-style-type: none"> ▪ Deltek Open Plan 8.6 ▪ Deltek Open Plan 8.7 ▪ Deltek Open Plan 8.8 <p>Deltek PPM Administrator</p> <ul style="list-style-type: none"> ▪ Deltek PPM Administrator 1.0 <p>Deltek wInsight</p> <ul style="list-style-type: none"> ▪ Deltek wInsight 8.3.2 ▪ Deltek wInsight 8.3.3 ▪ Deltek wInsight 8.3.4 <div style="border: 1px solid blue; padding: 5px; margin-top: 10px;"> <p>Note: You cannot publish metric results and definitions to a wInsight database. You can export to a DCDE file and use wInsight Administrator to import into a wInsight database.</p> </div> <div style="border: 1px solid red; padding: 5px; margin-top: 10px;"> <p>Important: You must not install Acumen tables in an existing Deltek database that has wInsight installed.</p> </div> |
| <p>Web Browser</p> | <ul style="list-style-type: none"> ▪ Chrome ▪ Edge ▪ Firefox |

| | |
|------------------------------|--|
| | <ul style="list-style-type: none"> ▪ Safari |
| .NET Framework | <ul style="list-style-type: none"> ▪ .Net F/W 4.8 ▪ .Net F/W 4.8.1 |
| Microsoft Office | <p>Microsoft Excel</p> <ul style="list-style-type: none"> ▪ Microsoft Excel 2021 ▪ Microsoft Excel 2024 <p>Microsoft PowerPoint</p> <ul style="list-style-type: none"> ▪ Microsoft PowerPoint 2021 ▪ Microsoft PowerPoint 2024 <p>Microsoft Word</p> <ul style="list-style-type: none"> ▪ Microsoft Word 2021 ▪ Microsoft Word 2024 |
| Embedded Technologies | <ul style="list-style-type: none"> ▪ Visual C++ 2015-2022 Redistributable Package (x86) ▪ Visual C++ 2015-2022 Redistributable Package (x64) |

Compatible Deployment Technology

Note: Compatible versions are the recent previously supported and tested technologies used to deploy Acumen. These are not actively being tested but are believed to be compatible with Acumen. Deltek does not recommend these technologies for new deployments but will make its best effort to answer questions concerning these technologies. These technologies may not be available for troubleshooting at Deltek.

| Category | Compatible Deployment Technology |
|--------------------------|--|
| Operating System | <p>Windows Server</p> <ul style="list-style-type: none"> ▪ Windows Server 2016 <p>Web Server</p> <ul style="list-style-type: none"> ▪ IIS 10 (Win Svr 2016) <p>Citrix</p> <ul style="list-style-type: none"> ▪ XenApp 7.* (Win Svr 2016) <p>Mac</p> <ul style="list-style-type: none"> ▪ Mac OS X (Requires Parallels or VMWare) |
| Database Platform | <p>Microsoft SQL Server</p> <ul style="list-style-type: none"> ▪ SQL Server 2016 |

| | |
|-------------------------|--|
| | <ul style="list-style-type: none"> ▪ SQL Server 2017 (This is also supported on Linux and Unix.) <p>Oracle</p> <ul style="list-style-type: none"> ▪ Oracle 12.2 ▪ Oracle 18.3 |
| Scheduling Tools | <p>Microsoft Project</p> <ul style="list-style-type: none"> ▪ Microsoft Project Server 2013 <p>Oracle</p> <ul style="list-style-type: none"> ▪ Primavera P6 8.4 ▪ Primavera P6 15.2 <p>Other</p> <ul style="list-style-type: none"> ▪ Phoenix 4.8 ▪ Safran 7.3 |

Open-Source Software Included with Acumen

Acumen includes the following open-source software:

| Software | Company |
|-----------------------|------------|
| JSON.NET Library 13.0 | Newtonsoft |
| CsvHelper v30.0.1 | Josh Close |

Appendix A: For Additional Information

Deltek Support Center

The Deltek Support Center is a support website for Deltek customers who purchase an Ongoing Support Plan (OSP).

The following are some of the many options that the Deltek Support Center provides:

- Search for product documentation, such as release notes, install guides, technical information, online help topics, and white papers
- Ask questions, exchange ideas, and share knowledge with other Deltek customers through the Deltek Support Center Community
- Access Cloud-specific documents and forums
- Download the latest versions of your Deltek products
- Search Deltek's knowledge base
- Submit a support case and check on its progress
- Transfer requested files to a Customer Care analyst
- Subscribe to Deltek communications about your products and services
- Receive alerts of new Deltek releases and hot fixes
- Initiate a Chat to submit a question to a Customer Care analyst online

Attention: For more information regarding Deltek Support Center, refer to the online help available from the website.

Access Deltek Support Center

To access the Deltek Support Center:

1. Go to <https://deltek.custhelp.com>.
2. Enter your Deltek Support Center **Username** and **Password**.
3. Click **Login**.

Note: If you forget your username or password, you can click the **Need Help?** button on the login screen for help.