CA Telon® Application Generator r5.1 (CA Telon AG) is an easy-to-learn, powerful application generator that provides the ability to build complex applications from a high-level design specification, accelerating the development process. With the use of this powerful application development tool, developers can design, build, and maintain systems through high-level design specifications, reducing the need for procedural coding and enhancing the time and talent devoted to the business considerations of the application.

Overview

Today, an organization’s IT system must meet ever-expanding requirements—increase productivity while improving customer service, reduce costs, increase profits, and respond to rapidly competitive challenges. CA Telon AG is a robust solution for designing, generating, and maintaining COBOL and PL/I applications. It features a comprehensive modeling/prototyping facility that allows developers to transform design-level information into a working model that evolves into the production application system.

Business value

CA Telon AG speeds application development because developers can design, build, and maintain systems through high-level design specifications, reducing coding requirements and helping programmers increase productivity. Because each program generated using CA Telon AG has a standard structure, the programmer can instantly recognize the processing of even the most complex batch or online programs. A Windows-based option simplifies the use of the product.
Features

Mainframe 2.0

CA Telon Application Generator has adopted key Mainframe 2.0 features that are designed to simplify your use of CA Telon AG and enable your staff to install, deploy and maintain it more effectively and quickly.

- **CA Mainframe Software Manager™**: CA Mainframe Software Manager (CA MSM) automates CA Telon AG deployment and maintenance and removes SMP/E complexities.
  - The **Software Acquisition Service** enables you to easily move product installation packages and maintenance from CA Support Online directly to your mainframe environment and prepare them for installation.
  - The **Software Installation Service** standardizes CA Telon AG installation, which includes a new, streamlined Electronic Software Delivery (ESD) method that allows CA Telon AG to be installed using standard utilities. This service also provides standardized SMP/E product installation and maintenance via APARs and PTFs, and simplifies SMP/E processing through an intuitive graphical user interface and an intelligent installation wizard.
  - The **Software Deployment Service** enables you to easily deploy CA Telon AG in your mainframe environment.
  - **CA MSM Consolidated Software Inventory (CSI)** updates and infrastructure improvements add flexibility to CA MSM processing of CSIs and enable CA MSM to more effectively utilize CPU and system memory.

- **Installation Verification Program (IVP) and Execution Verification Program (EVP)**: As part of qualification for inclusion in the set of mainframe products from CA Technologies released every May, CA Telon AG has passed stringent tests performed through the IVP and EVP to find and resolve interoperability problems prior to release. These programs are an extension of CA Technologies ongoing interoperability certification initiative launched in May 2009.

- **Best Practices guide**: This guide provides information on CA Telon AG installation, initial configuration and deployment to shorten the learning curve for staff who are responsible for the installation and management of this product.
Shared DASD

A frequently requested feature, this enhancement enables the definition of the CA Telon® Design Facility (TDF) database on shared DASD. This allows users to run TDF from any system that has access to the DASD in a parallel sysplex environment. By installing the TDF database on DASD that is shared by multiple LPARs, a user can log on to any of the LPARs and access the TDF.

Additional features

For organizations that continue to rely on legacy systems for mainframe platforms, the requirements are particularly challenging. Business systems not only must reflect an organization’s core business strategy, but also must adapt to ongoing changes, including mergers, acquisitions, and partnerships that dictate key business data be easily retrievable and accessible across multiple computing environments.

Reducing complexity and increasing developer productivity are mandatory for organizations in order to ensure that the quality of service meets the needs of users and customers. Business applications often require that data from multiple systems be joined together for analysis and reporting, but understanding the low-level details of multiple data storage systems can be a daunting task and candidates with the required skill sets may be hard to find. Solutions that enable organizations to maximize productivity are required in order for IT systems to enhance an organization’s overall effectiveness and profitability.

CA Telon AG provides a straightforward approach to meet these stringent challenges by providing a robust solution for designing, generating, and maintaining COBOL and PL/I applications.

- **Windows-based Programmable Workstation (PWS):** Additionally, a Windows-based option, CA Telon® Application Generator PWS Option (CA Telon AG PWS Option), enables developers to work in a GUI environment and supports LAN-based development under supported Windows operating systems. Its design simplifies the use of CA Telon AG by providing all the components in one application. It allows developers to exploit the potential of the workstation for off-loading development from the mainframe to a more productive and cost-effective platform.

- **CA Telon Design Facility (TDF):** This facility enables developers to enter high-level design specifications to simplify the development and maintenance of programs generated using CA Telon AG. The program generator translates the TDF design information into a COBOL or PL/I program that runs in the specified environment.
  - **Automated program generator:** The automated program generator can significantly accelerate the productivity of programmers and help deliver systems efficiently and according to end-user requirements.
— **Fill-in-the-blank approach**: The fill-in-the-blank approach simplifies the creation of either online or batch programs so that developers can focus on business needs rather than on complex, underlying technical details.

— **Screen/report painting**: Programmers can easily design the interface through this integrated facility contained within the CA Telon AG development environment.

— **Integrated prototyping facility**: This facility helps bridge the gap between business management and IT, so that systems are designed in a manner easily understood by stakeholders.

- **Platform independence**: CA Telon AG enables a single application design to run on z/OS, with the CA Telon PWS Option extending to supported Windows operating systems.

— **Generated DBMS access**: Provides a single facility for targeting a variety of data sources, including SQL access to CA IDMS*/DB, CA Datacom*/DB2, CA Datacom* IMS/DC Services, and CA Datacom* VSAM Transparency, and sequential file processing.

— **Design-level maintenance**: Maintaining generated systems is streamlined when changes at the high level of the design model ripple throughout applications, reducing complexity and the risks associated with ongoing changes to the underlying code.

**Supported environments**

- IBM z/OS v1r8 and above
- Microsoft Windows XP Professional, SP2
- Microsoft Windows Server 2003
- Microsoft Windows Vista
- Microsoft Windows Server 2008
- Microsoft Windows 7

**Delivery approach**

CA Services provides a portfolio of mainframe services delivered through CA Technologies internal staff and a network of established partners chosen to help you achieve a successful deployment and get the desired business results as quickly as possible. Our standard service offerings are designed to speed deployment and accelerate the learning curve for your staff. CA Technologies field-proven mainframe best practices and training help you lower risk, improve use/ adoption and ultimately align the product configuration to your business requirements.
Benefits

CA Telon AG speeds the development and maintenance of COBOL and PL/I applications so that IT can be more responsive to the needs of the business. It supports the CA Technologies Mainframe 2.0 vision to enable customers to deliver more flexible IT services by simplifying the development of even the most complex batch or online programs.

The CA Technologies advantage

CA Technologies has 30 years of recognized expertise in robust, reliable, scalable, and secure enterprise-class IT management software. CA Telon Application Generator is a key component of the Mainframe 2.0 initiative from CA Technologies to change the way the mainframe is managed forever by helping you maximize the value of our mainframe products and by providing a simplified experience and innovative solutions that deliver value quickly and flexibly.