



# IBM CICS Transaction Server Feature Pack for Security Token Extensions further enhances operational efficiency by adding support for SAML security tokens

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## At a glance

A new feature pack for CICS® Transaction Server for z/OS® ( CICS TS) further enhances operational efficiency by adding support for Security Assertion Markup Language (SAML) security tokens

CICS TS Feature Pack for Security Token Extensions V1.0 adds SAML security tokens support to CICS TS V4.2 and CICS TS V5.1, and includes:

- A linkable interface for SAML-aware applications
- Support for SAML tokens in inbound web services

For ordering, contact your IBM® representative, an IBM Business Partner, or IBM Americas Call Centers at 800-IBM-CALL (Reference: LE00).

## Overview

A new feature pack for CICS Transaction Server for z/OS ( CICS TS) further enhances operational efficiency by adding support for Security Assertion Markup Language (SAML) security tokens

CICS TS Feature Pack for Security Token Extensions V1.0 provides the capability for application security controls using SAML security tokens. The SAML implementation within CICS TS is Java-based, further increasing operational efficiency by enabling the SAML security token processing to be offloaded to specialty engines. Additionally, utilizing a standards-based approach to security can reduce or remove the need to create, maintain, and manage custom security infrastructure.

The CICS TS Feature Pack for Security Token Extensions V1.0 is supported by CICS TS V4.2 and CICS TS V5.1.

## Key prerequisites

CICS TS Feature Pack for Security Token Extensions V1.0 is supported on CICS TS V4.2 and CICS TS V5.1.

For CICS TS V4.2, the minimum required level of operating system is IBM z/OS V1.11 (5694-A01). The minimum required level of Java™ is IBM 64-bit SDK for z/OS , Java Technology Edition V6.0.1.

For CICS TS V5.1, the minimum required level of operating system is IBM z/OS V1.13 (5694-A01). The minimum required level of Java is IBM 64-bit SDK for z/OS , Java Technology Edition, V7 SR1.

For further details, refer to the [Hardware requirements](#) and [Software requirements](#) sections.

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## Planned availability date

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October 11, 2013

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## Description

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### **CICS TS Feature Pack for Security Token Extensions V1.0**

This feature pack will provide the capability for application security controls using SAML security tokens. This will allow CICS applications to validate SAML tokens and extract attributes from the tokens that can be used to limit access to resources, or customize the services available to a user. Support is delivered for a linkable interface for SAML-aware applications and inbound, SOAP web services. The feature pack supports the SAML 1.1 and SAML 2.0 levels of the Organization for the Advancement of Structured Information Standards (OASIS) standard.

SAML is an XML-based framework for describing and exchanging security information between online business partners. This security information is expressed in the form of portable SAML assertions that applications working across security domain boundaries can trust. The addition of SAML to the existing rich palette of security capabilities greatly simplifies the secure use of CICS applications by a wide range of distributed and mobile applications.

#### ***Linkable interface***

An API, which consists of a linkable interface, uses a channel with a set of containers. A sample application and SAML token is provided along with a sample JVM profile. This sample can be used to validate the installation.

#### ***Web services***

Inbound SOAP web services are supported using the CICS pipeline, which validates the SAML token and extracts it into containers.

With the CICS Security Token Extensions feature pack you can configure CICS pipelines to validate SAML assertions and make information available to CICS applications. With the supplied sample configurations, you can easily enable provider pipeline resources to validate a SAML assertion. The feature pack can also extract information from the SAML token to make it easily accessible as read-only containers within your CICS applications.

Alternatively, with the linkable interface, you can write your own SAML-aware, front-end interface to an application.

The linkable interface and SOAP web service configuration allows you to specify whether SAML token validation requires SAML tokens to be digitally signed. This gives you the flexibility of deciding where digital signature validation is most efficiently performed.

The CICS Security Token Extensions feature pack does not support SAML bindings, profiles, or protocols.

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### Accessibility by people with disabilities

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A US Section 508 Voluntary Product Accessibility Template (VPAT) containing details on accessibility compliance can be requested at

[http://www.ibm.com/able/product\\_accessibility/index.html](http://www.ibm.com/able/product_accessibility/index.html)

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### Section 508 of the US Rehabilitation Act

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CICS TS Feature Pack for Security Token Extensions V1.0 is capable as of October 11, 2013, when used in accordance with IBM associated documentation, of satisfying the applicable requirements of Section 508 of the Rehabilitation Act, provided that any assistive technology used with the product properly interoperates with it.

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## Product positioning

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IBM has a long history of delivering technologies that allow the reuse and service enablement of CICS applications and extends the reach of core CICS business applications to new channels. Access to core enterprise assets from mobile devices has rapidly become mainstream, with core CICS technologies such as XML, Web Services, HTML, and RESTful services that play a significant part in this evolution. Feature packs for CICS TS deliver important new capabilities in a fully supported manner outside of the normal release cycle.

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## Reference information

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For further information on CICS TS V5.1, refer to Software Announcement [212-325](#), dated October 3, 2012.

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## Program number

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Program number	VRM	Program name
5655-Y49	1.0	IBM CICS TS Feature Pack for Security Token Extensions
5655-Y55	1.0	IBM CICS TS Feature Pack for Security Token Extensions Subscription and Support

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### Product identification number

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Program PID number	Subscription and Support PID number
5655-Y49	5655-Y55

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## Offering Information

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Product information is available via the Offering Information website

<http://www.ibm.com/common/ssi>

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## Publications

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The IBM Publications Center

<http://www.ibm.com/shop/publications/order>

The Publications Center is a worldwide central repository for IBM product publications and marketing material with a catalog of 70,000 items. Extensive search facilities are provided. Payment options for orders are via credit card (in the US) or customer number for 20 countries. A large number of publications are available online in various file formats, and they can all be downloaded by all countries, free of charge.

The following Program Directory is available as softcopy only and can be downloaded from the Publications Center:

Publication	Form number
CICS TS Feature Pack for Security Token Extensions V1.0	GI13-3323

The following translated editions of the *What's New* publication are also available in softcopy only, from the IBM Publications Center:

Title	Form number
What's New (Brazilian Portuguese)	G517-0216
What's New (Japanese)	GA88-4839
What's New (Simplified Chinese)	G151-1833
What's New (Spanish)	GC11-8127

### ***IBM z/OS software products collection kit***

The collection kit (SK4T-4949) contains books in PDF format for a range of IBM z/OS products, including members of the CICS family, and is available for download from the Publications Center from September 30, 2013. Visit

<http://www.ibm.com/e-business/linkweb/publications/servlet/pbi.wss>

### **Business Partner information**

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If you are a Direct Reseller - System Reseller acquiring products from IBM , you may link directly to Business Partner information for this announcement. A PartnerWorld® ID and password are required (use IBM ID).

<https://www.ibm.com/partnerworld/mem/sla.jsp?num=213-461>

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## **Technical information**

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### **Specified operating environment**

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#### ***Hardware requirements***

**Processor:** CICS TS runs on any IBM System z® machine that supports the required z/OS operating system.

#### ***Software requirements***

To use the CICS TS Feature Pack for Security Token Extensions V1.0, you must have the correct versions of software and service installed. For more details, depending on your installed release of CICS TS, visit

<http://pic.dhe.ibm.com/infocenter/cicsts/v4r2/topic/com.ibm.cics.ts.securityextensions.doc/welcome/WelcomePage.html>

<http://pic.dhe.ibm.com/infocenter/cicsts/v5r1/topic/com.ibm.cics.ts.securityextensions.doc/welcome/WelcomePage.html>

A prerequisite, CICS TS V4.2 with APAR PM82005 applied, or CICS TS V5.1 with APAR PM82012 applied, is required for this feature pack.

## **Java Runtime Environment**

For CICS TS V4.2, the IBM 64-bit SDK for z/OS , Java Technology Edition V6.0.1, or later, is required.

For CICS TS V5.1, the IBM 64-bit SDK for z/OS , Java Technology Edition V7 SR1, or later, is required.

The IBM SDK for z/OS is available, without charge, on tape or by download. Visit

<http://www.ibm.com/servers/eserver/zseries/software/java/>

The program's specifications and specified operating environment information may be found in documentation accompanying the program, if available, such as a README file, or other information published by IBM , such as an announcement letter. Documentation and other program content may be supplied only in the English language.

### ***Limitations***

For additional information, refer to [Usage restriction](#) topic in the [Terms and conditions](#) section of this announcement, or to the license information document that is available on the IBM Software License Agreement website

<http://www.ibm.com/software/sla/sladb.nsf>

## **User group requirements**

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### ***Customer and User Group requirements***

Requirements for CICS TS, and feature packs for CICS TS can be created, viewed, and voted for in the IBM Request For Enhancement (RFE) community. Visit

<http://www.ibm.com/developerworks/rfe/>

## **Planning information**

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### ***Direct customer support***

Direct customer support is provided by IBM Operational Support Services - SoftwareXcel. This fee service enhances your productivity by providing voice and electronic access into the IBM support organization. IBM Operational Support Services - SoftwareXcel helps answer questions pertaining to usage and suspected software defects for eligible products.

Installation and technical support is provided by Global Services. For more information call 800-IBM-4YOU (426-4968).

For technical support or assistance, contact your IBM representative or visit

<http://www.ibm.com/support>

### ***Packaging***

#### **Physical delivery**

The following hardcopy documents and CD-ROM are shipped, together with the basic machine-readable material for the product:

- CICS Transaction Server Feature Pack for Security Token Extensions V1.0 License Information CD (GC34-2932)
- CICS Information Center Flyer (GI13-3302)

Certain other items, such as specification sheets of related IBM products, might be included.

## Electronic delivery

To download a CICS Information Center, visit the IBM Publications Center. Search for the form number, then select download. The following publications are available:

- CICS Information Center for AIX® (SK4T-2692)
- CICS Information Center for Linux™ Intel™ (SK4T-2693)
- CICS Information Center for Microsoft™ Windows™ (SK4T-2694)
- CICS Information Center for z/OS (SK4T-2695)

For more information, visit

<http://www.ibm.com/shop/publications/order>

This program, when downloaded from a website, contains the applicable IBM license agreement and License Information, if appropriate, and will be presented for acceptance at the time of installation of the program. For future reference, the license and License Information will be stored in a directory such as LICENSE.TXT.

## Security, auditability, and control

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The CICS TS feature pack described in this announcement uses the security and auditability features of the supported underlying operating systems. The customer is responsible for evaluation, selection, and implementation of security features, administrative procedures, and appropriate controls in application systems and communication facilities. The customer is responsible for evaluation, selection, and implementation of security features, administrative procedures, and appropriate controls in application systems and communication facilities.

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## Software Services

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IBM Software Services has the breadth, depth, and reach to manage your services needs. You can leverage the deep technical skills of our lab-based, software services team and the business consulting, project management, and infrastructure expertise of our IBM Global Services team. Also, we extend our IBM Software Services reach through IBM Business Partners to provide an extensive portfolio of capabilities. Together, we provide the global reach, intellectual capital, industry insight, and technology leadership to support a wide range of critical business needs.

To learn more about IBM Software Services or to contact a Software Services sales specialist, visit

<http://www.ibm.com/software/sw-services/>

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## Ordering information

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### Ordering z/OS through the Internet

Shopz provides an easy way to plan and order your z/OS ServerPac or CBPDO. It will analyze your current installation, determine the correct product migration, and present your new configuration based on z/OS . Additional products can also be added to your order (including determination of whether all product requisites are satisfied). Shopz is available in the US and several countries in Europe. In countries where Shopz is not available yet, contact your IBM representative (or IBM Business Partner) to handle your order via the traditional IBM ordering process. For more details and availability, visit the Shopz website at

<http://www14.software.ibm.com/webapp/ShopzSeries/ShopzSeries.jsp>

## Charge metric

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Program name	PID number	Charge metric
CICS TS Feature Pack for Security Token Extensions V1.0	5655-Y49	Unlimited Installs
CICS TS Feature Pack for Security Token Extensions - Software Subscription & Support	5655-Y55	Unlimited Installs

## Basic license

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To order, specify the program product number and the appropriate license or charge option. Also, specify the desired distribution medium. To suppress shipment of media, select the license-only option in CFSW.

Program name: CICS TS Feature Pack for Security Token Extensions V1.0  
Program PID: 5655-Y49

Entitlement identifier	Description	License option/Pricing metric
S0177DP	CICS TS Feature Pack for Security Token Extensions V1.0	No charge Unlimited installs

Orderable supply ID	Language	Distribution medium
S0177DN	English	3590 Tape

Subscription and Support PID: 5655-Y55

Entitlement identifier	Description	License option/Pricing metric
S0177F4	CICS TS Feature Pack for Security Token Extensions Subscription & Support	No charge, Unlimited installs SW S&S registration

Orderable supply ID	Language	Distribution medium
S0177F3	English	Hardcopy pub

## Subscription and Support

To receive voice technical support via telephone and future releases and versions at no additional charge, Subscription and Support must be ordered. The capacity of Subscription and Support (Value Units) must be the same as the capacity ordered for the product licenses.

To order, specify the Subscription and Support program number (PID) referenced above and the appropriate license or charge option.

IBM is also providing Subscription and Support for these products via a separately purchased offering under the terms of the IBM International Agreement for Acquisition of Software Maintenance. This offering:

- Includes and extends the support services provided in the base support to include technical support via telephone.
- Entitles you to future releases and versions, at no additional charge. Note that you are not entitled to new products.

When Subscription and Support is ordered, the charges will automatically renew annually unless cancelled by you.

The combined effect of the IPLA license and the Agreement for Acquisition of Software Maintenance gives you rights and support services comparable to those under the traditional ICA S/390® and System z license or its equivalent. To ensure that you continue to enjoy the level of support you are used to in the ICA business model, you must order **both** the license for the program **and** the support for the selected programs at the same Value Unit quantities.

### **Customized Offerings**

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Product deliverables are shipped only via CBPDO and ServerPac. These customized offerings are offered for Internet delivery in countries where ShopzSeries product ordering is available. Internet delivery reduces software delivery time and allows you to install software without the need to handle tapes. For more details on Internet delivery, refer to the Shopz help information at

<http://www.software.ibm.com/ShopzSeries>

You choose the delivery method when you order the software. IBM recommends Internet delivery. In addition to Internet and DVD, the supported tape delivery options include:

- 3590
- 3592

Most products can be ordered in ServerPac the month following their availability in CBPDO. z/OS can be ordered via CBPDO and ServerPac at general availability. Many products will also be orderable in a Product ServerPac without also having to order the z/OS operating system or subsystem.

Shopz and CFSW will determine the eligibility based on product requisite checking. For more details on the Product ServerPac, visit the Help section on the Shopz website at

<http://www14.software.ibm.com/webapp/ShopzSeries/ShopzSeries.jsp>

Production of software product orders will begin on the planned general availability date.

- CBPDO shipments will begin one week after general availability.
- ServerPac shipments will begin two weeks after general availability.

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### **Terms and conditions**

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The information provided in this announcement letter is for reference and convenience purposes only. The terms and conditions that govern any transaction with IBM are contained in the applicable contract documents such as the IBM International Program License Agreement, IBM International Passport Advantage® Agreement, and the IBM Agreement for Acquisition of Software Maintenance.

#### ***Licensing***

IBM International Program License Agreement including the License Information document and Proof of Entitlement (PoE) govern your use of the program. PoEs are required for all authorized use.



**Agreement for Acquisition of Software Maintenance**

The IBM Agreement for Acquisition of Software Maintenance (Z125-6011) applies for Software Subscription and Support (Software Maintenance) and does not require customer signatures.

This program is licensed under the IBM Program License Agreement (IPLA) and the associated Agreement for Acquisition of Software Maintenance, which provides for support with ongoing access to releases and versions of the program. This program has a one-time license charge for use of the program and an annual renewable charge for the enhanced support that includes telephone assistance (voice support for defects during normal business hours), as well as access to updates, releases, and versions of the program as long as support is in effect.

IBM System z Operational Support Services - SoftwareXcel is an option if you desire added services.

**License Information form number**

Program name	LI form number
CICS TS Feature Pack for Security Token Extensions V1.0	L-ACRR-95GJ6Z

The program's License Information will be available for review on the IBM Software License Agreement website

<http://www.ibm.com/software/sla/sladb.nsf>

**Limited warranty applies**

Yes

**Money-back guarantee**

If for any reason you are dissatisfied with the program and you are the original licensee, you may obtain a refund of the amount you paid for it, if within 30 days of your invoice date you return the program and its PoE to the party from whom you obtained it. If you downloaded the program, you may contact the party from whom you acquired it for instructions on how to obtain the refund.

For clarification, note that for programs acquired under any of IBM's On/Off Capacity on Demand (On/Off CoD) software offerings, this term does not apply since these offerings apply to programs already acquired and in use by you.

**Volume orders (IVO)**

No

**Passport Advantage applies**

No

**Usage restriction**

Yes

**Software Subscription and Support applies**

No. For operating system software, the revised IBM Operational Support Services - SoftwareXcel offering will provide support for those operating systems and associated products that are not available with the Software Subscription and Support (Software Maintenance) offering.

This will ensure total support coverage for your enterprise needs, including IBM and selected non-IBM products. For complete lists of products supported under both the current and revised offering, visit

<http://www.ibm.com/services/sl/products>

**System i® Software Maintenance applies**

No

**Variable charges apply**

No

**Educational allowance available**

Yes. A 15% education allowance applies to qualified education institution customers.

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## Statement of good security practices

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IT system security involves protecting systems and information through prevention, detection, and response to improper access from within and outside your enterprise. Improper access can result in information being altered destroyed or misappropriated or can result in misuse of your systems to attack others. Without a comprehensive approach to security, no IT system or product should be considered completely secure and no single product or security measure can be completely effective in preventing improper access. IBM systems and products are designed to be part of a comprehensive security approach, which will necessarily involve additional operational procedures, and may require other systems, products, or services to be most effective. IBM does not warrant that systems and products are immune from the malicious or illegal conduct of any party.

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## Prices

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For additional information and current prices, contact your local IBM representative.

Information on charges is available at

<http://www.ibm.com/support>

Choose the option entitled Purchase/upgrade tools.

To order, specify the program product number and the appropriate license or charge option. Also, specify the desired distribution medium. To suppress shipment of media, select the license-only option in CFSW.

Program name: CICS TS Feature Pack for Security Token Extensions V1.0  
Program PID: 5655-Y49

Entitlement identifier	Description	License option/Pricing metric
S0177DP	CICS TS Feature Pack for Security Token Extensions V1.0	No charge Unlimited installs
Orderable supply ID	Language	Distribution medium
-		
S0177DN	English	3590 Tape

Subscription and Support PID: 5655-Y55

Entitlement identifier	Description	License option/Pricing metric
S0177F4	CICS TS Feature Pack for Security Token Extensions Subscription & Support	No charge, Unlimited installs SW S&S registration
Orderable supply ID	Language	Distribution medium
S0177F3	English	Hardcopy pub

## **IBM Global Financing**

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IBM Global Financing offers competitive financing to credit-qualified customers to assist them in acquiring IT solutions. Offerings include financing for IT acquisition, including hardware, software, and services, from both IBM and other manufacturers or vendors. Offerings (for all customer segments: small, medium, and large enterprise), rates, terms, and availability can vary by country. Contact your local IBM Global Financing organization or visit

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For more financing information, visit

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Phone: 800-IBM-CALL (426-2255)  
Fax: 800-2IBM-FAX (242-6329)  
For IBM representative: [callserv@ca.ibm.com](mailto:callserv@ca.ibm.com)  
For IBM Business Partner: [pwcs@us.ibm.com](mailto:pwcs@us.ibm.com)  
Mail: IBM Teleweb Customer Support  
ibm.com® Sales Execution Center, Americas North  
3500 Steeles Ave. East, Tower 3/4  
Markham, Ontario  
Canada  
L3R 2Z1

Reference: LE001

The Americas Call Centers, our national direct marketing organization, can add your name to the mailing list for catalogs of IBM products.

**Note:** Shipments will begin after the planned availability date.

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<http://www.ibm.com/planetwide/us/>