



## **z/OS Direct-to-Host Downloads Must Be Secured**

As previously announced, all internet delivery of z/OS product and service orders must use a secured download method. This includes downloads for all of the following:

- PTFs and HOLDDATA ordered using the SMP/E RECEIVE ORDER command
- PTFs ordered using Shopz
- PTFs ordered using ServiceLink
- Products in ServerPac and CBPDO offerings ordered using Shopz
- Products in CustomPac offerings

Secured download capabilities for direct-to-z/OS host transfers have been available using FTPS (File Transfer Protocol with Transport Layer Security) since October 2012, and using HTTPS (Hyper Text Transport Protocol Secure) since November 2014. Secured download capabilities for transfers to a workstation (store-and-forward) have been available using Download Director with encryption since October 2012. **IBM is now in the process of removing Standard FTP download capability from the IBM download servers used for all z/OS product and service orders.**

You will be required to use one of the secured download methods – HTTPS or FTPS for direct-to-host download of your order. FTPS requires System SSL Security Level 3 which is part of the z/OS Security Level 3 feature. If you don't have this feature on your z/OS driving system, then you must use HTTPS. Alternatively, you can download your order to an intermediate server first using Download Director with encryption and then upload it to your z/OS host system.

If you have not already started to use secure download methods, study the "Preparing for secure Internet delivery" chapter in the z/OS SMP/E Users Guide for a discussion on the changes you must make.

[http://www.ibm.com/support/knowledgecenter/SSLTBW\\_2.2.0/com.ibm.zos.v2r2.gim3000/dsetup\\_s.htm](http://www.ibm.com/support/knowledgecenter/SSLTBW_2.2.0/com.ibm.zos.v2r2.gim3000/dsetup_s.htm)

Then visit the Connectivity Test website to verify those changes and start using FTPS or HTTPS for direct-to-z/OS host downloads for your z/OS product and service orders. The Connectivity Test can be found at: <https://www.ibm.com/marketing/iwm/iwm/web/preLogin.do?&source=cbct>

You may also need to update your firewall rules to add the host names or IP addresses for IBM download servers. For further details, see Washington Systems Center Flash 10780 at:

<http://www.ibm.com/support/techdocs/atmastr.nsf/WebIndex/FLASH10780>

If you encounter a problem setting up your z/OS system or download job to use HTTPS or FTPS, then contact IBM Support and open a problem with CBPDO or ServerPac Level 2.

### ***Shopz Product and Service Orders***

As of **MAY 22, 2016**, Shopz z/OS product and service orders for Internet delivery will require secured direct-to-host downloads using FTPS or HTTPS and you will no longer be able to use Standard FTP to download your orders from IBM download servers. No change is required for store-and-forward downloads of your orders using Download Director with encryption and you will still be able to use Standard FTP to upload your order to your z/OS system since that is done within your enterprise. You can also verify Download Director with the Connectivity Test.

## **ServiceLink SRD Orders**

As of **APRIL 17, 2016**, z/OS ServiceLink SRD orders for Internet delivery require secured direct-to-host downloads using FTPS or HTTPS and you will no longer be able to use Standard FTP to download your orders from IBM download servers. You must choose a package type of GIMZIP, which is the default, for direct-to-host downloads and you can use the supplied sample download jobs (RFNJOBS for FTPS or RFNJOBH for HTTPS).

Alternatively, you can choose to use secured store-and-forward downloads to your workstation using HTTPS, then upload to your z/OS host system. You can choose either package type of GIMZIP or TERSE for store-and-forward downloads and then use FTP to upload your order (in BINARY) to your z/OS host system. For GIMZIP orders, you can then use the sample RECNTS job to process it with SMP/E. For TERSE orders, you can then UNTERSE the order and process it with SMP/E.

## **SMP/E RECEIVE ORDER**

With SMP/E V3.6 with PTFs UO01693 (Base) and UO01695 (Japanese), or higher, SMP/E RECEIVE ORDER has the capability to use HTTPS to download your z/OS service orders. For more information on RECEIVE ORDER and set up for using HTTPS, see section "Preparing to use Internet service retrieval" in the z/OS SMP/E Users Guide:  
[http://www.ibm.com/support/knowledgecenter/SSLTBW\\_2.2.0/com.ibm.zos.v2r2.gim3000/dsetup.htm](http://www.ibm.com/support/knowledgecenter/SSLTBW_2.2.0/com.ibm.zos.v2r2.gim3000/dsetup.htm)

## **Key Date**

As of **AUGUST 14, 2016**, all unsecured connections will be rejected by IBM download servers used for all z/OS product and service orders. At this time, all direct-to-host download jobs must use FTPS or HTTPS or your jobs will fail.

## **References**

See the "Statements of general direction" section in the z/OS V2.2 Preview Announcement:  
[http://www.ibm.com/common/ssi/rep\\_ca/6/897/ENUS215-006/ENUS215-006.PDF](http://www.ibm.com/common/ssi/rep_ca/6/897/ENUS215-006/ENUS215-006.PDF)

See the Software Delivery Enhancements Announcement:  
[http://www.ibm.com/common/ssi/rep\\_ca/1/897/ENUS214-311/ENUS214-311.PDF](http://www.ibm.com/common/ssi/rep_ca/1/897/ENUS214-311/ENUS214-311.PDF)

See the "Installation" sub-section under the "Product Positioning" section in the z/OS V2.1 Announcement:  
[http://www.ibm.com/common/ssi/rep\\_ca/2/897/ENUS213-292/ENUS213-292.PDF](http://www.ibm.com/common/ssi/rep_ca/2/897/ENUS213-292/ENUS213-292.PDF)

See the "Preparing for secure Internet delivery" section in the z/OS SMP/E Users Guide:  
[http://www.ibm.com/support/knowledgecenter/SSLTBW\\_2.2.0/com.ibm.zos.v2r2.gim3000/dsetup.s.htm](http://www.ibm.com/support/knowledgecenter/SSLTBW_2.2.0/com.ibm.zos.v2r2.gim3000/dsetup.s.htm)