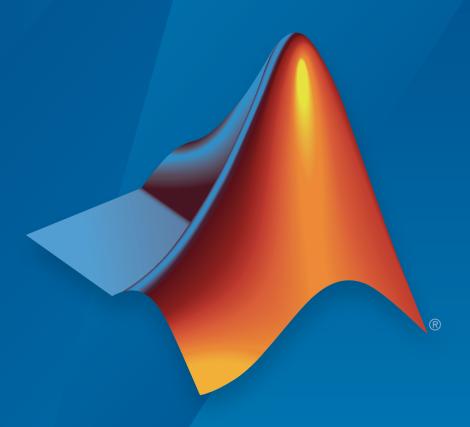
#### MATLAB<sup>®</sup> Compiler SDK™ Release Notes



# MATLAB®



#### How to Contact MathWorks



Latest news: www.mathworks.com

Sales and services: www.mathworks.com/sales\_and\_services

User community: www.mathworks.com/matlabcentral

Technical support: www.mathworks.com/support/contact\_us

7

Phone: 508-647-7000



The MathWorks, Inc. 3 Apple Hill Drive Natick, MA 01760-2098

MATLAB® Compiler SDKTM Release Notes

© COPYRIGHT 2004–2017 by The MathWorks, Inc.

The software described in this document is furnished under a license agreement. The software may be used or copied only under the terms of the license agreement. No part of this manual may be photocopied or reproduced in any form without prior written consent from The MathWorks, Inc.

FEDERAL ACQUISITION: This provision applies to all acquisitions of the Program and Documentation by, for, or through the federal government of the United States. By accepting delivery of the Program or Documentation, the government hereby agrees that this software or documentation qualifies as commercial computer software or commercial computer software documentation as such terms are used or defined in FAR 12.212, DFARS Part 227.72, and DFARS 252.227-7014. Accordingly, the terms and conditions of this Agreement and only those rights specified in this Agreement, shall pertain to and govern the use, modification, reproduction, release, performance, display, and disclosure of the Program and Documentation by the federal government (or other entity acquiring for or through the federal government) and shall supersede any conflicting contractual terms or conditions. If this License fails to meet the government's needs or is inconsistent in any respect with federal procurement law, the government agrees to return the Program and Documentation, unused, to The MathWorks, Inc.

#### **Trademarks**

MATLAB and Simulink are registered trademarks of The MathWorks, Inc. See www.mathworks.com/trademarks for a list of additional trademarks. Other product or brand names may be trademarks or registered trademarks of their respective holders.

#### **Patents**

MathWorks products are protected by one or more U.S. patents. Please see www.mathworks.com/patents for more information.

#### Contents

R20	017
Bug Fixes	
R20	016
Neural Network Training Models: Deploy Neural Network Toolbox functions that train a model	2
R20	016
HTTPS Support for Excel Add-ins: Securely integrate Excel Add-ins with MATLAB Production Server using HTTPS.	3
RESTful API and JSON: Develop clients for MATLAB Production Server in any programming language that supports HTTP	3.
R2015a	ιSΡ

Python Integration: Deploy MATLAB components as native Python packages, for integration with applications writing Python	tten
]	R2015a
Packaging of your MATLAB programs as C/C++ shared libraries, Microsoft .NET assemblies, and Java classes .  Royalty-free distribution of software components to users who do not need MATLAB	S
Development and test framework for MATLAB Production Server for integration with web and enterprise systems	n
Encryption of MATLAB code to protect your intellectual	6-2

#### R2017a

**Version: 6.3.1** 

#### R2016b

Version: 6.3

**New Features** 

#### Neural Network Training Models: Deploy Neural Network Toolbox functions that train a model

Use MATLAB® Runtime to deploy functions that can train a model. To deploy MATLAB code that trains neural networks, see Create Standalone Application from Command Line. The following features are not supported in deployed mode:

- Training progress dialog, nntraintool
- genFunction and gensim to generate MATLAB code or Simulink® blocks
- view method
- nctool, nftool, nnstart, nprtool, ntstool
- · Plot functions

#### R2016a

Version: 6.2

**New Features** 

#### HTTPS Support for Excel Add-ins: Securely integrate Excel Add-ins with MATLAB Production Server using HTTPS

Excel<sup>®</sup> add-ins can securely connect to MATLAB Production Server<sup>TM</sup> using HTTPS and evaluate deployed MATLAB functions. Using HTTPS provides transmission-layer encryption. A server certificate must be must be installed when using HTTPS, and can be either self-signed or signed by a trusted Certificate Authority (CA). Self-signed certificates need to be installed in the certificate store of the local machine running the Excel add-in.

For more information, see Change the Server Configuration.

# RESTful API and JSON: Develop clients for MATLAB Production Server in any programming language that supports HTTP

The MATLAB Production Server RESTful API enables you to evaluate MATLAB functions on remote servers using JSON representation of MATLAB data types. You can create client programs in any programming language with an HTTP library.

Client code that uses the MATLAB Production Server RESTful API and JSON representation of MATLAB data types can be written in web-based languages such as JavaScript<sup>®</sup> and embedded in HTML pages. These web pages can then be used to send and retrieve requests from a MATLAB Production Server instance.

For more information, see RESTful API and JSON.

#### R2015aSP1

**Version: 6.0.1** 

#### R2015b

Version: 6.1

**New Features** 

# Python Integration: Deploy MATLAB components as native Python packages, for integration with applications written in Python

MATLAB Compiler SDK<sup>TM</sup> packages MATLAB functions into software components that you integrate into native Python<sup>®</sup> applications. MATLAB Compiler SDK provides APIs to execute compiled MATLAB functions on the MATLAB Runtime.

For more information, see Python Package Integration.

# R2015a

Version: 6.0

**New Features** 

#### Packaging of your MATLAB programs as C/C++ shared libraries, Microsoft .NET assemblies, and Java classes

MATLAB Compiler SDK packages MATLAB functions into software components that you integrate into applications. MATLAB Compiler SDK includes APIs to integrate the packaged components using C, C++, Microsoft<sup>®</sup> .NET, or Java<sup>®</sup>.

#### Royalty-free distribution of software components to users who do not need MATLAB

MATLAB functions compiled with MATLAB Compiler SDK execute on the MATLAB Runtime. The MATLAB Runtime is a freely distributable execution engine made up of shared libraries that MATLAB uses to run MATLAB files on systems without an installed version of MATLAB.

## Development and test framework for MATLAB Production Server for integration with web and enterprise systems

MATLAB Compiler SDK includes everything you need to develop client applications for MATLAB Production Server:

- Client APIs execute MATLAB functions on the server.
- Excel add-in to execute MATLAB functions on the server.
- Production Server Compiler app tests the integration between clients and compiles MATLAB functions for deployment to the server.
- Test server tests client code and server configuration together.

#### Encryption of MATLAB code to protect your intellectual property

MATLAB Compiler SDK encrypts your MATLAB code so that it cannot be read or copied.