

Simulink[®] Compiler[™]

Reference



MATLAB[®]&SIMULINK[®]

R2020b



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Simulink® Compiler™ Reference

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Revision History

March 2020a	Online only	New for Version 1.0 (Release 2020a)
September 2020	Online only	Revised for Version 1.1 (Release 2020b)

1	Functions
----------	------------------

Functions

simulink.compiler.configureForDeployment

Configure Simulink.SimulationInput object for deployment with Simulink Compiler

Syntax

```
simulink.compiler.configureForDeployment(in)
```

Description

`simulink.compiler.configureForDeployment(in)` configures the Simulink.SimulationInput object, `in`, to be compatible for deployment with Simulink® Compiler™. `simulink.compiler.configureForDeployment` sets the simulation mode to Rapid Accelerator and the model parameter, `RapidAcceleratorUpToDateCheck` to `off` for the model used in Simulink.SimulationInput object, `in`, these settings ensure that the specified inputs does not require the deployed applications to be rebuilt.

Examples

Configure the Simulink.SimulationInput Object for Deployment with Simulink Compiler

This example shows how to configure a Simulink.SimulationInput object for deployment as a command line executable or an application with Simulink Compiler.

Create a function that you want to deploy as a standalone executable. In the function, create a Simulink.SimulationInput object for the model `sldemo_suspn_3dof`. Using the `setVariable` method of the Simulink.SimulationInput object, set the variable `Mb` to 1000.

Use the `simulink.compiler.configureForDeployment` function to make the Simulink.SimulationInput object compatible for deployment. Once the Simulink.SimulationInput object is configured for deployment, simulate it with the `sim` command.

```
function deployedScript()
    in = Simulink.SimulationInput('sldemo_suspn_3dof');
    in = in.setVariable('Mb', 1000);
    in = simulink.compiler.configureForDeployment(in);
    out = sim(in);
end
```

Input Arguments

in — Simulink.SimulationInput object

Simulink.SimulationInputobject | array of Simulink.SimulationInput objects

A Simulink.SimulationInput object or an array of Simulink.SimulationInput objects that is used to specify changes to the model for a simulation.

Example: `in = Simulink.SimulationInput('vdp')`

See Also

`Simulink.SimulationInput` | `deploytool` | `exportToFMU2CS` | `mcc` | `sim`

Topics

"Simulink Compiler Workflow Overview"

"Create and Deploy a Script with Simulink Compiler"

"Deploy an App Designer Simulation with Simulink Compiler"

"Deploy Simulations with Tunable Parameters"

Introduced in R2020a

exportToFMU2CS

Export Simulink model to Functional Mock-up Unit (FMU)

Syntax

```
exportToFMU2CS mdl  
exportToFMU2CS mdl, Name, Value)
```

Description

`exportToFMU2CS mdl` exports a model to a Functional Mock-Up Unit (FMU) and creates a model, `mdl_fm.u slx`, that contains a FMU Co-Simulation block with the original model. Model solver type must be a `fixed-step` solver.

`exportToFMU2CS mdl, Name, Value)` exports a model to a Functional Mock-Up Unit (FMU) using one or more `Name, Value` pair arguments.

Examples

Export a Model to FMU

Export the model, `vdp` to a Functional Mock-Up Unit.

Open the model.

```
open_system('vdp')
```

Set the solver type of the model to `fixed-step`.

```
set_param('vdp', 'SolverType', 'Fixed-step')
```

Export the model to a FMU. The model, `vdp_fm.u slx` is created from the exported FMU.

```
exportToFMU2CS('vdp')
```

Input Arguments

mdl — Name of Model

model name

Name of the model to be exported to a Functional Mock-Up Unit

Name-Value Pair Arguments

Specify optional comma-separated pairs of `Name, Value` arguments. `Name` is the argument name and `Value` is the corresponding value. `Name` must appear inside quotes. You can specify several name and value pair arguments in any order as `Name1, Value1, ..., NameN, ValueN`.

Example: `'CreateModelAfterGeneratingFMU', 'off'`

CreateModelAfterGeneratingFMU – Create model after export

'on' (default) | 'off'

By default, creates a model, `mdl_fm_u.slx`, that contains a FMU Co-Simulation block with the original model. Create this model to check the integrity of the exported FMU.

When set to 'off', does not create a model.

AddIcon – Block icon or exported FMU image

'snapshot' (default) | 'off' | 'filename'

Block icon image, character vector specified as one of the following values:

- 'off' - No block icon image
- 'snapshot' - Use image of model as block icon
- 'filename' - An image file to be used as a block icon.

Generate32BitDLL – Option to generate 32-bit DLL

'off' (default) | 'on'

Set the option to 'on' to support exporting Co-simulations of FMUs with 32-bit binaries.

Example:

See Also`configureForDeployment` | `sim`**Topics**

"Import FMUs"

"Export Simulink Models to Functional Mock-up Units"

Introduced in R2020a

simulink.compiler.genapp

Generate MATLAB App to simulate model and deploy application

Syntax

```
simulink.compiler.genapp('modelName')  
simulink.compiler.genapp(modelName,Name,Value)
```

Description

`simulink.compiler.genapp('modelName')` analyzes a Simulink model and generates a deployable MATLAB® app, to simulate the model in rapid accelerator simulation mode with different inputs, parameters, and initial states and plot the results.

`simulink.compiler.genapp(modelName,Name,Value)` generates a deployable MATLAB app with the specified options.

While generating an app, ensure that the current working folder does not contain older generated app artifacts.

Examples

Generate a MATLAB App for a Simulink Model

This example shows how to generate a MATLAB app using the `simulink.compiler.genapp` function for the model, `sldemo_suspn_3dof`.

Open the model

```
open_system('sldemo_suspn_3dof')
```

Generate a MATLAB app for the model with app name, `suspn_3dof_app`.

```
simulink.compiler.genapp('sldemo_susn_3dof', 'AppName', 'suspn_3dof_app')
```

Once the app is generated, click **Simulate** to view the simulation result of the model

Generate App Using the SLSimApp2 Template

The `simulink.compiler.genapp` function also allows you to generate an app with the `SLSimApp2` template. The `SLSimApp2` template uses pop-up windows for editing reference variables and selecting signals to plot. To generate an app using this template, use the name-value pair along with the model name as arguments in the `simulink.compiler.genapp` function.

Before generating the app, clear the generated artifacts from the Current Folder and the workspace.

```
myApp = simulink.compiler.genapp('sldemo_susn_3dof', 'Template', 'SLSimApp2')
```

Input Arguments

modelName — Name of model

string

Name of model for which the MATLAB app is generated, specified as a string.

Name-Value Pair Arguments

Specify optional comma-separated pairs of `Name`, `Value` arguments. `Name` is the argument name and `Value` is the corresponding value. `Name` must appear inside quotes. You can specify several name and value pair arguments in any order as `Name1`, `Value1`, ..., `NameN`, `ValueN`.

Example: 'AppName', 'modelNameApp'

AppName — Name of the app

modelName_SLSimApp (default) | string

Name of the generated app, specified as the comma-separated pair consisting of 'AppName' and a string.

Template — Template to use

SimAppTemplate (default) | string

Template to use to generate a MATLAB app. Specified as the comma-separated pair consisting of 'Template' and a string.

OutputDir — Directory for creating build artifacts

pwd (default) | string

Directory for creating build artifacts, as the comma-separated pair consisting of 'OutputDir' and a string.

InputMatFiles — MAT files that specify inputs

MAT file name

MAT files that specify inputs for the `Simulink.Simulation`. Input objects, specified as the comma-separated pair consisting of 'InputMatFiles' and a MAT file.

See Also

`Simulink.SimulationInput` | **applicationCompiler** | `deploytool` | `exportToFMU2CS` | `mcc` | `sim` | `simulink.compiler.configureForDeployment`

Topics

“Simulink Compiler Workflow Overview”

“Deploy an App Designer Simulation with Simulink Compiler”

“Generate, Modify and Deploy a MATLAB App for a Simulink Model”

Introduced in R2020b

simulink.compiler.loadEnumTypes

Configure model with enum types for deployment

Syntax

```
simulink.compiler.loadEnumTypes('modelName')
```

Description

`simulink.compiler.loadEnumTypes('modelName')` configures the deployment for models with enum types. Use the `simulink.compiler.loadEnumTypes` function only if the following is true:

- The `simulink.compiler.configureForDeployment` function is not used to configure the `Simulink.SimulationInput` object.
- Model in the deployed script or application uses enum types.
- The deployed scripts or applications refer to enum types before the execution of the `sim` command.

Input Arguments

modelName — Name of the model

string

Name of the model, specified by a string, for which the enum types are loaded.

See Also

`Simulink.SimulationInput` | `deploytool` | `exportToFMU2CS` | `mcc` | `sim` | `simulink.compiler.configureForDeployment`

Topics

[“Simulink Compiler Workflow Overview”](#)

[“Create and Deploy a Script with Simulink Compiler”](#)

[“Deploy an App Designer Simulation with Simulink Compiler”](#)

[“Deploy Simulations with Tunable Parameters”](#)

Introduced in R2020a

simulink.compiler.setExternalInputsFcn

Set callback to specify data to each external root inport port block at the start of each simulation step

Syntax

```
in = simulink.compiler.setExternalInputsFcn(in, @(id, time) getInput(id, time))
```

Description

`in = simulink.compiler.setExternalInputsFcn(in, @(id, time) getInput(id, time))` function registers a callback that dynamically provides values for every external root input port block specified by `id` at the specified `time` at the root level of a model during simulation. The callback is required to return the value to be set at the inport block. To return the value from the callback, use the syntax, `returningValue = getInput(id, time)`.

Examples

Input Arguments

in – Simulation inputs

`Simulink.SimulationInput` object

Simulation inputs and changes to model for simulation, specified as a `Simulink.SimulationInput` object

Example: `in = Simulink.SimulationInput('vdp')`

@(id, time) getInput(id, time) – Function handle for callback

MATLAB function handle

Function handle for callback to provide values for each root inport block specified by `id` at simulation step time, `time`.

- `id` - A root inport block index, for which the callback is set, specified by a numerical value.
- `time` - Time for which the input to the root inport block is required, specified by a numeric value.

See Also

`Simulink.SimulationInput` | `deploytool` | `exportToFMU2CS` | `mcc` | `sim` | `simulink.compiler.configureForDeployment`

Topics

“Simulink Compiler Workflow Overview”

“Create and Deploy a Script with Simulink Compiler”

“Deploy an App Designer Simulation with Simulink Compiler”

“Deploy Simulations with Tunable Parameters”

Introduced in R2020b

simulink.compiler.setExternalOutputsFcn

Set callback to read external root output block data after each simulation step

Syntax

```
in = simulink.compiler.setExternalOutputsFcn(in, @(id, time, data)  
processOutput(id, time, data))
```

Description

`in = simulink.compiler.setExternalOutputsFcn(in, @(id, time, data) processOutput(id, time, data))` function registers a callback to dynamically process the values for every output port at the root level of a model during simulation.

Examples

Deploy an App with Live Simulation Results of Lorenz System

This example shows an app that uses callbacks for simulation inputs and outputs to view the simulation of a Simulink model of Lorenz System, and is then deployed with Simulink Compiler

Open and Examine the Project File

In this example, we use a Simulink Project that contains all the files required to run this example. The project contains a Simulink Model of Lorenz System and A MATLAB App, created in App Designer that simulates the model with different input and output values. To learn more about how to create an app using the App Designer, see “Create and Run a Simple App Using App Designer”.

```
simulink.compiler.example.LorenzSystem
```

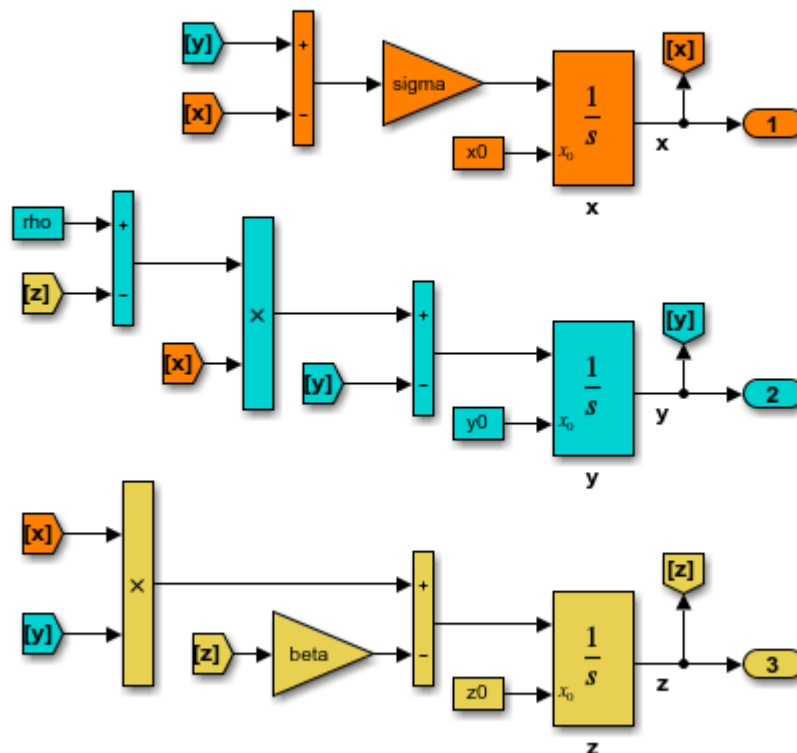
Project - LorenzSystem

Views: All | Project (8) | Modified (1) | Layout: Tree

Name	Status	SVN	Revision	Classification
AppStatus.m	✓	●	2	Design
LorenzAttractor.gif	✓	●	2	Other
LorenzEquations...	✓	●	2	Other
LorenzSystemAp...	✓	●	2	Design
LorenzSystemMo...	✓	●	2	Other
LorenzSystemMo...	✓	●	2	Design
onShutdown.m	✓	●	2	Design
onStartup.m	✓	●	2	Design

Labels: Classification

Details



app designer. The essential part of this app is the behavior of the **Simulate** button. It has the following salient parts: creating the `SimulationInput` object, configuring it for deployment, using simulation callbacks to read the output port data and plot the data at each time step. The following section explains how these three functions are used to see the live results of the simulation in the deployed app

Creating the `Simulink.SimulationInput` object

In the function `createSimulationInput`, we define an empty `Simulink.SimulationInput` object for the model. We use this `Simulink.SimulationInput` object to set simulation callbacks and variables for the model to simulate with.

The simulation callback functions are used to register the callbacks. The `simulink.compiler.setPostStepFcn` function registers a callback that is invoked after every simulation step. The `simulink.compiler.setExternalOutputsFcn` registers a callback that dynamically processes the values for every output port at root level of a model during simulation.

We use the `setVariable` method of the `Simulink.SimulationInput` object to provide the parameter values to the app. These values for the simulation are obtained from the edit fields of the UI of the app. To enable deployment of the app, we use the `simulink.compiler.configureForDeployment` function. (Comment the line of code that calls `simulink.compiler.configureForDeployment` function for faster debugging)

```
function simInp = createSimulationInput(app)
    % Create an empty SimulationInput object
    simInp = Simulink.SimulationInput('LorenzSystemModel');

    % Specify the simulation callbacks
    simInp = simulink.compiler.setPostStepFcn(simInp, @app.postStepFcn);
    simInp = simulink.compiler.setExternalOutputsFcn(simInp, @app.processOutputs);

    % Load the parameters values from the ui edit fields
    simInp = simInp.setVariable('rho', app.rhoUIC.Value);
    simInp = simInp.setVariable('beta', app.betaUIC.Value);
    simInp = simInp.setVariable('sigma', app.sigmaUIC.Value);
    simInp = simInp.setVariable('x0', app.x0UIC.Value);
    simInp = simInp.setVariable('y0', app.y0UIC.Value);
    simInp = simInp.setVariable('z0', app.z0UIC.Value);

    % Configure simInp for deployment
    % DEBUG TIP: Comment out the line below for
    % faster/easier debugging when running in MATLAB
    simInp = simulink.compiler.configureForDeployment(simInp);
end % createSimulationInput
```

Simulation Callback functions

The simulation callback functions register callbacks to enable you to read values from the output ports and to write values to the root input ports. These functions register callbacks at every simulation time step thus allowing you to view live results of the simulation.

The `processOutputs` Callback

The `simulink.compiler.setExternalOutputsFcn` line refers to the function `postprocessOutputs`. This is a callback function that processes the values for every root output port block of model during simulation. The `postprocessOutputs` function is called once per port,

and per the port's sample time. When `postprocessOutputs` function is called, it reads the values for every root output block and caches away those values. The `postStepFcn` obtains the cached values to update the plot.

```
function processOutputs(app, opIdx, ~, data)
    % Called during sim to process the external output port data,
    % will be called once per port per its sample hit.
    switch opIdx
        case 1
            app.txyzBuffer.x = data;
        case 2
            app.txyzBuffer.y = data;
        case 3
            app.txyzBuffer.z = data;
        otherwise
            error(['Invalid port index: ', num2str(opIdx)]);
    end
end
```

The PostStepFcn Callback

The `postStepFcn` is a callback function that is invoked after every simulation step. The time argument is the time for the previous simulation step. This function obtains the cached output block values for every time, and passes those values to the `updateTrace` function to plot the cached values at simulation time.

```
function postStepFcn(app, time)
    % Called during sim after each simulation time step
    app.updateSimStats(time);
    if app.status == AppStatus.Starting
        app.switchStatus(AppStatus.Running);
        app.simStats.WallClockTimeAfterFirstStep = tic;
    end
    if app.stopRequested
        app.switchStatus(AppStatus.Stopping);
        stopRequestedID = [mfilename('class'), ':StopRequested'];
        throw(MException(stopRequestedID, 'Stop requested'));
    end
    %-----
    app.txyzBuffer.t = time;
    x = [app.txyzBuffer.x];
    y = [app.txyzBuffer.y];
    z = [app.txyzBuffer.z];
    app.updateTrace(x, y, z);
    app.updateMarker('head', x, y, z);
    %-----
    drawnow limitrate;
end % postStepFcn
```

Test Out the Application in App Designer

Before deploying the application, ensure that the app runs in the App Designer. Click **Simulate** to verify that the application works by simulating the model for different values.

Compile App for Deployment

. You can use the MATLAB App Designer to compile and deploy the app. You can also use `deploytool`. For more information on compiling and deploying with App Designer, see [Develop Apps Using App Designer, Web Apps and Application Compiler](#).

In this example, we compile the app, with the `mcc` command followed by the app name.

```
mcc -m LorenzSystemApp
```

Input Arguments

in – Simulation inputs

`Simulink.SimulationInput` object

Simulation inputs and changes to model for simulation, specified as a `Simulink.SimulationInput` object

Example: `in = Simulink.SimulationInput('vdp')`

@(id, time, data) processOutput(id, time, data) – Function handle for callback

MATLAB function handle

Function handle for callback to process outputs with the values, `data` for every root port block specified by `id` at simulation step time, `time`.

- `id` - A root output block index, for which the callback is set, specified by a numerical value.
- `time` - Time for which the input to the root output block is required, specified by a numeric value.
- `data` - Value for the root output block.

See Also

`Simulink.SimulationInput` | `deploytool` | `exportToFMU2CS` | `mcc` | `sim` | `simulink.compiler.configureForDeployment`

Topics

“[Simulink Compiler Workflow Overview](#)”

“[Create and Deploy a Script with Simulink Compiler](#)”

“[Deploy an App Designer Simulation with Simulink Compiler](#)”

“[Deploy Simulations with Tunable Parameters](#)”

Introduced in R2020b

simulink.compiler.setPostStepFcn

Register a callback to run after each simulation step

Syntax

```
in = simulink.compiler.setPostStepFcn(in, @(time) postStepFcn(time))
```

Description

`in = simulink.compiler.setPostStepFcn(in, @(time) postStepFcn(time))` function registers a callback that is invoked after every simulation step.

Examples

Deploy an App with Live Simulation Results of Lorenz System

This example shows an app that uses callbacks for simulation inputs and outputs to view the simulation of a Simulink model of Lorenz System, and is then deployed with Simulink Compiler

Open and Examine the Project File

In this example, we use a Simulink Project that contains all the files required to run this example. The project contains a Simulink Model of Lorenz System and A MATLAB App, created in App Designer that simulates the model with different input and output values. To learn more about how to create an app using the App Designer, see “Create and Run a Simple App Using App Designer”.

```
simulink.compiler.example.LorenzSystem
```

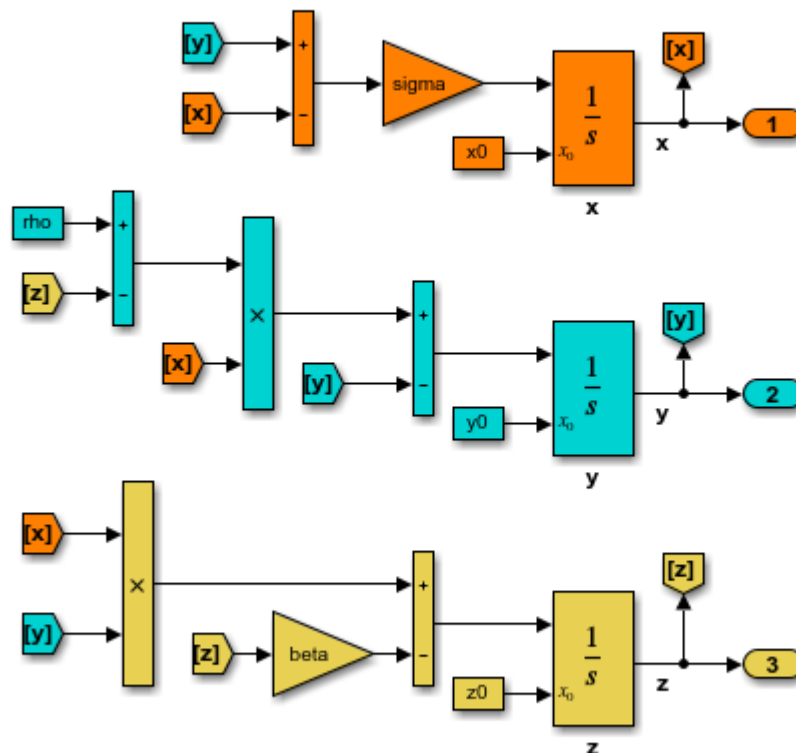
Project - LorenzSystem

Views: All | Project (8) | Modified (1) | Layout: Tree

Name	Status	SVN	Revision	Classification
AppStatus.m	✓	●	2	Design
LorenzAttractor.gif	✓	●	2	Other
LorenzEquations...	✓	●	2	Other
LorenzSystemAp...	✓	●	2	Design
LorenzSystemMo...	✓	●	2	Other
LorenzSystemMo...	✓	●	2	Design
onShutdown.m	✓	●	2	Design
onStartup.m	✓	●	2	Design

Labels: Classification

Details



app designer. The essential part of this app is the behavior of the **Simulate** button. It has the following salient parts: creating the `SimulationInput` object, configuring it for deployment, using simulation callbacks to read the output port data and plot the data at each time step. The following section explains how these three functions are used to see the live results of the simulation in the deployed app

Creating the `Simulink.SimulationInput` object

In the function `createSimulationInput`, we define an empty `Simulink.SimulationInput` object for the model. We use this `Simulink.SimulationInput` object to set simulation callbacks and variables for the model to simulate with.

The simulation callback functions are used to register the callbacks. The `simulink.compiler.setPostStepFcn` function registers a callback that is invoked after every simulation step. The `simulink.compiler.setExternalOutputsFcn` registers a callback that dynamically processes the values for every output port at root level of a model during simulation.

We use the `setVariable` method of the `Simulink.SimulationInput` object to provide the parameter values to the app. These values for the simulation are obtained from the edit fields of the UI of the app. To enable deployment of the app, we use the `simulink.compiler.configureForDeployment` function. (Comment the line of code that calls `simulink.compiler.configureForDeployment` function for faster debugging)

```
function simInp = createSimulationInput(app)
    % Create an empty SimulationInput object
    simInp = Simulink.SimulationInput('LorenzSystemModel');

    % Specify the simulation callbacks
    simInp = simulink.compiler.setPostStepFcn(simInp, @app.postStepFcn);
    simInp = simulink.compiler.setExternalOutputsFcn(simInp, @app.processOutputs);

    % Load the parameters values from the ui edit fields
    simInp = simInp.setVariable('rho', app.rhoUIC.Value);
    simInp = simInp.setVariable('beta', app.betaUIC.Value);
    simInp = simInp.setVariable('sigma', app.sigmaUIC.Value);
    simInp = simInp.setVariable('x0', app.x0UIC.Value);
    simInp = simInp.setVariable('y0', app.y0UIC.Value);
    simInp = simInp.setVariable('z0', app.z0UIC.Value);

    % Configure simInp for deployment
    % DEBUG TIP: Comment out the line below for
    % faster/easier debugging when running in MATLAB
    simInp = simulink.compiler.configureForDeployment(simInp);
end % createSimulationInput
```

Simulation Callback functions

The simulation callback functions register callbacks to enable you to read values from the output ports and to write values to the root input ports. These functions register callbacks at every simulation time step thus allowing you to view live results of the simulation.

The `processOutputs` Callback

The `simulink.compiler.setExternalOutputsFcn` line refers to the function `postprocessOutputs`. This is a callback function that processes the values for every root output port block of model during simulation. The `postprocessOutputs` function is called once per port,

and per the port's sample time. When `processOutputs` function is called, it reads the values for every root output block and caches away those values. The `postStepFcn` obtains the cached values to update the plot.

```
function processOutputs(app, opIdx, ~, data)
    % Called during sim to process the external output port data,
    % will be called once per port per its sample hit.
    switch opIdx
        case 1
            app.txyzBuffer.x = data;
        case 2
            app.txyzBuffer.y = data;
        case 3
            app.txyzBuffer.z = data;
        otherwise
            error(['Invalid port index: ', num2str(opIdx)]);
    end
end
```

The PostStepFcn Callback

The `postStepFcn` is a callback function that is invoked after every simulation step. The `time` argument is the time for the previous simulation step. This function obtains the cached output block values for every time, and passes those values to the `updateTrace` function to plot the cached values at simulation time.

```
function postStepFcn(app, time)
    % Called during sim after each simulation time step
    app.updateSimStats(time);
    if app.status == AppStatus.Starting
        app.switchStatus(AppStatus.Running);
        app.simStats.WallClockTimeAfterFirstStep = tic;
    end
    if app.stopRequested
        app.switchStatus(AppStatus.Stopping);
        stopRequestedID = [mfilename('class'), ':StopRequested'];
        throw(MException(stopRequestedID, 'Stop requested'));
    end
    %-----
    app.txyzBuffer.t = time;
    x = [app.txyzBuffer.x];
    y = [app.txyzBuffer.y];
    z = [app.txyzBuffer.z];
    app.updateTrace(x, y, z);
    app.updateMarker('head', x, y, z);
    %-----
    drawnow limitrate;
end % postStepFcn
```

Test Out the Application in App Designer

Before deploying the application, ensure that the app runs in the App Designer. Click **Simulate** to verify that the application works by simulating the model for different values.

Compile App for Deployment

. You can use the MATLAB App Designer to compile and deploy the app. You can also use `deploytool`. For more information on compiling and deploying with App Designer, see [Develop Apps Using App Designer, Web Apps and Application Compiler](#).

In this example, we compile the app, with the `mcc` command followed by the app name.

```
mcc -m LorenzSystemApp
```

Input Arguments

in – Simulation inputs

`Simulink.SimulationInput` object

Simulation inputs and changes to model for simulation, specified as a `Simulink.SimulationInput` object

Example: `in = Simulink.SimulationInput('vdp')`

@(time) postStepFcn(time) – Function handle for callback

MATLAB function handle

Function handle for a callback that is invoked after every simulation step.

- `time` - Time for the previous simulation step, specified by a numeric value.

See Also

`Simulink.SimulationInput` | `deploytool` | `exportToFMU2CS` | `mcc` | `sim` | `simulink.compiler.configureForDeployment`

Topics

“Simulink Compiler Workflow Overview”

“Create and Deploy a Script with Simulink Compiler”

“Deploy an App Designer Simulation with Simulink Compiler”

“Deploy Simulations with Tunable Parameters”

Introduced in R2020b

simulink.compiler.stopSimulation

Stop a long running simulation

Syntax

```
simulink.compiler.stopSimulation('modelName')
```

Description

`simulink.compiler.stopSimulation('modelName')` function enables you to stop a long running simulation from a callback or a MATLAB app for the model specified .

Input Arguments

modelName — Name of model

string

Name of model for which you want to stop the simulation, specified by a string.

See Also

`Simulink.SimulationInput` | **applicationCompiler** | `deploytool` | `exportToFMU2CS` | `mcc` | `sim` | `simulink.compiler.configureForDeployment`

Topics

“Simulink Compiler Workflow Overview”

“Deploy an App Designer Simulation with Simulink Compiler”

“Generate, Modify and Deploy a MATLAB App for a Simulink Model”

Introduced in R2020b

