

# Installing the Restifier for SAP

The RESTifier for SAP is a Node.js service that enables you to access any BAPI RFC function of your SAP system from within any application by using REST calls.

## Requirements and Package Formats

The RESTifier for SAP is delivered as a Node.js package. To run the RESTifier package, you need a BRIDGE running on Windows 64 bit or Linux 64 bit, or an installation of Node.js.

The RESTifier for SAP runs on 64 bit versions of Windows and Linux only.

Refer to the table below for a list of dependencies between RESTifier and BRIDGE/Node.js versions.

BRIDGE Version		RESTifier Version	Node.js Version
Bridge 7	7.5.0	RESTifier for SAP version 3.2.x	8.16.0 (or newer)
	7.1.0	RESTifier for SAP version 3.1.0	8.11.x
	7.0.0	RESTifier for SAP version 3.0.0	8.9.x
		For BRIDGE 7, you need <b>E2E RESTifier for SAP version 3</b> or higher.	
Bridge 6		RESTifier for SAP version 2.2 - 2.4.2	4.4.x and 6.10.x
Bridge 5.1	> 6.0.56.1	RESTifier for SAP version 2 - 2.4.2	4.4.x
	< 6.0.56.1	RESTifier for SAP version 1.x	0.10.x

If you will be using the RESTifier behind a proxy, please also refer to [Using the RESTifier Behind a Proxy](#).

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Download the package **sap-restifier.zip** and deploy it to your BRIDGE as described in [Deployment of Node.js Services](#).

### Prerequisites

1. If you are deploying a RESTifier as of version 2, make sure to have at least a Bridge 6.0.56.1 installed. As of this BRIDGE version, Node.js 4.x LTS is included, which is needed by the RESTifier.
2. Each BRIDGE has a maximum upload size that can be configured in the [node instance preferences](#). If the RESTifier packages fails to upload, you may need to increase this value.

Before starting the service you need to define some [environment variables](#).

Variable	Value	
CONFIG_DIR		
LD_LIBRARY_PATH	RESTifier for SAP 3.2.x (or newer)	node_modules/@e2ebridge/sapnwrfc/build/linux/x64/Release
	RESTifier for SAP 3.1.x	node_modules/@e2ebridge/sapnwrfc/compiled/8.11/linux/x64
	RESTifier for SAP 3.0.x	node_modules/@e2ebridge/sapnwrfc/compiled/8.9/linux/x64
	RESTifier for SAP 2.x BRIDGE with Node.js 6	node_modules/@e2ebridge/sapnwrfc/compiled/6.10/linux/x64
	RESTifier for SAP 2.x BRIDGE with Node.js 4.4.x	node_modules/@e2ebridge/sapnwrfc/compiled/4.4/linux/x64
	RESTifier for SAP 1.x BRIDGE with Node.js. 0.10.x	node_modules/sapnwrfc/compiled/0.10/linux/x6

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PATH	RESTifier for SAP 3.2.x (or newer)	node_modules/@e2ebridge/sapnwrfc/build/win32/x64/Release
	RESTifier for SAP 3.1.x	node_modules/@e2ebridge/sapnwrfc/compiled/8.11/win32/x64
	RESTifier for SAP 3.0.x	node_modules/@e2ebridge/sapnwrfc/compiled/8.9/win32/x64
	RESTifier for SAP 2.x BRIDGE with Node.js 6	node_modules/@e2ebridge/sapnwrfc/compiled/6.10/win32/x64
	RESTifier for SAP 2.x BRIDGE with Node.js 4.4.x	node_modules\@e2ebridge\sapnwrfc\compiled\4.4\win32\x64
	RESTifier for SAP 1.x BRIDGE with Node.js. 0.10.x	node_modules\sapnwrfc\compiled\0.10\win32\x64

Now you can start the sap-restifier service and open a browser at <http://localhost:3000> to configure your SAP host. Having done that, the RESTifier for SAP is ready to use.

List of other supported environment variables:

Variable	Remark
PORT	Port number of the service. Default is <b>3000</b> .
NODE_ENV	Log all http requests in restifier.log (value <b>development</b> ) or not (value <b>production</b> . ) Default is <b>production</b> .
LOG_DIR	To this directory the log files are written. Default is <b>../logs</b> which is good for the BRIDGE to display the logs in the UI.
UV_THREADPOOL_SIZE	Increase number of concurrent SAP connections. Default is <b>4</b> .