

# Using Multiple Instances (IBM i)

The Profound.js installer can be used to create multiple Profound.js instances. For example, you may want a Production Instance, a Development Instance, and a QA Instance.

You can install these different instances by creating separate directories and running the 'npm install profoundjs' command from within the different directories. You should select a different port number for each instance.

The Profound UI static files directory can either be shared between different instances, or a separate directory (Profound UI installation) can be setup for each instance.

When installing Profound.js on IBM i, it is recommend that you select a unique name the Profound.js Connector library and instance when prompted. The Profound.js installer will create both a base library and an connector/instance library as shown below:

Opt	Library	Attribute	ASP Device	Text
—	PJS_BASE	PROD		Profound.js Base Lib
—	PJS_INST1	PROD		PJS_INST1 Instance Library

## PJS\_BASE library

This library will contain a lot of the core IBM i objects for running Profound.js:

Object	Type	Library	Attribute	Text
PJSSTRSRV	*PGM	PJS_BASE	CPPL	
PROFOUNDJS	*JOBQ	PJS_BASE		Profound.js Job Queue
PJS_INST1	*JOB	PJS_BASE		PJS_INST1 Instance Job Desc
PROFOUNDJS	*CLS	PJS_BASE		Profound.js Subsystem Class
PROFOUNDJS	*SBSD	PJS_BASE		Profound.js Subsystem

## /profoundjs-base directory

This directory will contain a *logs* folder for each Profound.js instance, which will contain stderr / stdout log files pertaining to each instance:

```
Directory . . . . : /profoundjs-base/instances/pjs_inst1/logs
Type options, press Enter.
 2=Edit   3=Copy   4=Remove   5=Display   7=Rename   8=Display att
11=Change current directory ...
```

Opt	Object link	Type	Attribute	Text
—	.	DIR		
—	..	DIR		
—	stderr_2017_05_07. >	STMF		
—	stdout_2017_05_07. >	STMF		

## <PJS Connector Library>

The library specified on install (in this case PJS\_INST1) will be created, and will contain copies of the objects required to run each individual instance:

Object	Type	Library	Attribute	Text
PJSCALLCMD	*PGM	PJS_INST1	CPPLE	
PJSCALLMOD	*PGM	PJS_INST1	CPPLE	
PJSCRTPRXY	*PGM	PJS_INST1	CPPLE	
PJSMYIP	*PGM	PJS_INST1	RPGLE	
HTTPAPIR4	*SRVPGM	PJS_INST1	RPGLE	HTTP-API Service Program
PJSCALL	*SRVPGM	PJS_INST1		
PJSCALLPRC	*SRVPGM	PJS_INST1	CPPLE	
PJSDTAARA	*SRVPGM	PJS_INST1	CPPLE	
PJSFILEINF	*SRVPGM	PJS_INST1	CPPLE	
PJSFILEID	*SRVPGM	PJS_INST1	CPPLE	
PJSJSONUTL	*SRVPGM	PJS_INST1	CPPLE	

When calling Profound.js modules from an interactive Genie session, this library should be added to the session's library list.

### Profound.js Environment Variables in a Genie session

Environment variable *PROFOUNDJS\_COMM\_HOST* and *PROFOUNDJS\_COMM\_PORT* specify which instance to connect to when calling Profound.js modules from a Genie session.

For more information on how to setup Genie for calling Profound.js modules and how to configure these environment variables, [click here](#).