

Comparison of Pepper's OS versions - Datasheet			
		Pepper with NAOQi 2.5 OS	Pepper with NAOQi 2.9 OS
Specs	OS tech	Linux Based	Android Based
	Programming Language	Python, HTML, Javascript	Java, Kotlin
		C++ SDK available ROS compatible	
	SDK	Choregraphe	Android Studio Plugin
	API	Python SDK	
Value	Objectives	1000+ APIs	Around 20 API (possible actions)
	Robot usage	Advanced Low-level robotics programs: controlling joints, sensor data and Python based development	High-level human-robot interaction applications or some applied science courses
	Robot actions	Robot as a development platform	Robot as part of a solution
		- Create animations, behaviors, dialogues and test them on the virtual or physical robot - Control of robot - Enrich the Choregraphe behaviors with personal Python code	- Make the robot move - Talk and interact with people in a simple way, using a straightforward API, directly from Android activity
	Offer	A very flexible open platform environment	More stable and secure environment
	Offer Criteria	Flexibility	Limited flexibility
			Easy to integrate external Chatbot
			Easy integration of Android External Libraries (Tensorflow...)
		Limited app stability	App stability
		Direct access to every sensors and actuators raw data	No direct access to sensors
		Same SDK as NAO	No app compatibility with Nao
		Upgrade to 2.9 possible	No downgrade to 2.5 possible
		No future new release	Regular new release
			Better Interaction Performances
		More open Platform	More secured Platform
			Improved Navigation Capabilities
			Benefit from latest Solutions developed by our partners
		No possibility to program using java	No Python or ROS compatibility
			Inner system is not accessible anymore from application level
		Programming, robotics universities...	Business schools, social sciences universities, tech universities...
Target	Schools	Advanced Robotics Programs	Cloud Based AI, Research Interaction based usecases
	Courses / classes	Mecatronics Courses	Applied sciences
		Python based programming courses	Mobile app development programs
		IoT and Embedded System integration	Social sciences