

PragmaDev Studio V5.5 includes an ASN.1 encoder.

Paris - France - December 11th, 2019 - *PragmaDev Studio* is a dedicated tool suite to specify and design complex communicating systems. V5.5 introduces the integration of a free ASN.1 encoder with its code generator making target integration substantially easier.

ASN.1 is an international standard to describe complex data types. It comes with a set of encoding and decoding rules to transmit the data in a machine independent way. It is used by everyone without noticing it in telecommunication, automotive, banking systems, internet...

SDL, the core modeling notation within PragmaDev Studio, maps to ASN.1 declarations in a standard way. So, when some information goes out of the model, one of the standard encoding rules can be used to build the real bitstream.

"Integration of the generated code on a real target always raises a lot of concerns within our potential users. The fact that the encoding is done automatically addresses these issues making the connection from abstract models to real executable systems straightforward." says Emmanuel Gaudin, PragmaDev Founder & CEO.

Among the other main new features are:

- **Export a stand alone prototyping GUI**
As the prototyping GUI is usually the front end for your specification or design, PragmaDev Studio V5.5 can now generate a stand alone gui that can be manipulated by non specialists. The tool generates a special package file that can be run as is on a computer that has a free version of PragmaDev Studio installed.
- **Export as a LaTeX document**
PragmaDev Studio V5.5 can export documents in LaTeX format and benefits from its beautiful typeset output.
- **Linux 64 bit**
PragmaDev Studio V5.5 is now natively a 64 bit application on Linux. This eases the tool installation as most of Linux distributions are 64 bit now. But that also allows to deal with larger models when it comes to simulation.
- **macOS extended support**
PragmaDev Studio V5.5 is now natively a 64 bit application on macOS. The new version also supports the native macOS compiler and debugger clang and lldb.

About PragmaDev

PragmaDev is a privately held company based in Paris France that provides two sets of tools: PragmaDev Process to describe and verify business processes, and PragmaDev Studio to specify and design communicating systems: PragmaDev customers include Airbus, Nokia, Renault, the French Army, Wipro, ST-Microelectronics, Korean Telecom, the European Space Agency, Toshiba, and LG Electronics.

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