

# ML toolkit

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# Q&A on the +ML toolkit add-on

## 1. What is the +ML toolkit?

The +ML toolkit is a packaged python environment that communicates seamlessly with BETA CAE applications to provide the latest Machine Learning libraries and assist in the creation of Machine Learning models. Once installed, it creates a python environment that includes the latest Machine Learning libraries (Tensorflow, Pandas, Numpy, Scikit-learn, etc). Once any BETA CAE application requires Machine Learning actions, the +ML toolkit runs in the background and provides the necessary learning algorithms that will create the Machine Learning model.

## 2. Why was the +ML toolkit developed?

The +ML toolkit was developed to support and become the backbone of the ML implementation in the BETA CAE Systems' applications.

## 3. Who should use the +ML toolkit?

Any engineer or designer at work with BETA CAE Systems applications can benefit from using the implemented Machine Learning functionality powered by the +ML toolkit. Processes such as optimization or design exploration are greatly assisted by the implementation of Machine Learning.

## 4. Do I need a specific background to work with the +ML toolkit?

The +ML toolkit runs in the background when called from BETA CAE Systems applications. Knowledge of ANSA or KOMVOS software is required. The +ML toolkit can be accessed from a third party application also, in which case Python programming language experience is required.

## **5. Can I install the +ML toolkit by myself?**

Although the +ML toolkit installation is straightforward it is recommended that it is performed with the help of an IT specialist. Instructions on how to install are available in KOMVOS installation guide document.

## **6. Which are the hardware and software requirements for the +ML toolkit?**

The software and hardware requirements for +ML toolkit are documented in detail in the installation guide document.

## **7. Which software is a prerequisite for the +ML toolkit?**

BETA License Manager (BETA\_LM version 6.6 and above) should be up and running.

## **8. Do I need a special feature in the license file?**

Required feature: ML\_SERVER

## **9. What do I need to download?**

The +ML toolkit needs to be downloaded.

## **10. What does the installation package contain?**

To make the +ML toolkit installation quick and easy we have included everything required in the installation package. For more details please check the KOMVOS installation guide.

## **11. May I have an evaluation installation of the +ML toolkit?**

An evaluation installation is available for limited duration. During the evaluation period full support is provided by BETA CAE Systems.

*\*\* Features subject to change without notice*

BETA CAE Systems International AG  
D4 Business Village Luzern, Platz 4  
CH-6039 Root D4, Switzerland  
T +41 41 545 3650, F +41 41 545 3651  
[ansa@beta-cae.com](mailto:ansa@beta-cae.com)  
[www.beta-cae.com](http://www.beta-cae.com)

*physics on screen*