
GLOSSARY OF TECHNICAL TERMS

This glossary contains definitions of certain terms used in this Document in connection with us and our business. Some of these may not correspond to standard industry definitions.

“AAAI”	the Association for the Advancement of Artificial Intelligence
“ACL”	the Association for Computational Linguistics
“ACM”	ACM International Collegiate Programming Contest, an annual multi-tiered international competitive programming competition among different universities in the world and one of the largest and most prestigious programming contests in the world
“AGV”	automated guided vehicle, automated, custom-made vehicles that are able to transport packets, materials and/or products in logistical or production factory environment
“AI”	artificial intelligence, simulation of human intelligence by machines
“AI +”	empowering industries with AI solutions
“algorithm”	a procedure of formula for solving a problem, based on conducting a sequence of specified actions
“AutoCV”	automated computer vision, the process of automating the application of computer vision to real-world problems
“AutoML”	automated machine learning, the process of automating the end-to-end process of applying machine learning to real-world problems
“AutoRL”	automated reinforcement learning, the training of machine learning models to make a sequence of decisions in a dynamic, uncertain, potentially complex environment
“CAGR”	compound annual growth rate

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“cloud”	the computers and connections that support cloud computing
“cloud computing”	the practice of storing computer data and programs on multiple servers that can be accessed through the internet
“computing power”	the ability of a computer to perform an operation
“CV” or “computer vision”	computer vision, a field of artificial intelligence that trains computers to interpret and understand the digital images or videos
“deep learning”	a subset of AI and machine learning that mimics the working of biological neural systems such as human brains and uses multi-layered neural networks to deliver state-of-the-art accuracy in tasks such as object detection and recognition, speech recognition and natural language processing. Deep learning differs from traditional machine learning techniques in that it can automatically learn representations from data such as images, video or text, without introducing hand-coded rules or human domain knowledge. Its highly flexible architecture can learn directly from raw data and can increase its predictive accuracy when provided with some data
“derivative-free optimization”	a discipline in mathematical optimization that does not use derivative information in the classical sense to find optimal solutions.
“enterprise AI”	AI technologies and software applied by enterprises to address their business needs and drive their digital and automation transformation
“framework”	a platform for developing software applications
“GDP”	Gross Domestic Product
“GDPR”	General Data Protection Regulation, a regulation in EU law on data protection and privacy in the European Union and the European Economic Area
“GPU”	graphic processing unit, a specialized electronic circuit designed to rapidly manipulate and alter memory to accelerate the creation of images

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“heterogeneous computing”	systems that use more than one kind of processor or cores
“IaaS”	infrastructure as a service, a category of cloud computing designed to rapidly manipulate and alter memory to accelerate the creation of images
“IDE”	integrated development environment, a software application that provides comprehensive facilities to computer programmers for software development
“IT”	information technology
“KDD”	Knowledge Discovery and Data Mining
“lighthouse user”	end users of Sage Platform which are either Global Fortune 500 companies or publicly listed companies. Unless otherwise indicated, the number of lighthouse users for a given period refers to the number of lighthouse users from which we generated revenue, either directly or indirectly through solution partners, in that period
“machine learning”	the scientific study of algorithms and statistical models that computer systems use to effectively perform specific tasks without being explicitly programmed to do so
“natural language processing”	a subfield of linguistics, computer science, and artificial intelligence concerned with the interactions between computers and human language, in particular how to program computers to process and analyze large amounts of natural language data
“net dollar expansion rate”	a fraction, the denominator of which is the revenue contribution from a designated group of users in the previous year of a given year and the numerator of which is the contribution from the same group of users in such given year, expressed as a percentage. For example, when calculating net dollar expansion rate of our lighthouse users in 2021, the denominator is the revenue contribution of our lighthouse users in 2020, and the numerator is the revenue contribution of such same group of lighthouse users in 2021
“NIPS”	Neural Information Processing Systems

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“number of users”	Unless otherwise indicated, the number of users for a given period refers to the number of end users of Sage Platform from which we generated revenue, either directly or indirectly through solution partners, in that period
“OCR”	optical character recognition
“PC”	personal computer, a multi-purpose computer whose size, capabilities, and price make it feasible for individual use
“platform-centric”	a type of AI solutions that come with an AI development platform in addition to AI applications and underlying computing infrastructure
“R&D”	research and development
“ROI”	return on investment
“SKU”	stock keeping unit, a distinct type of item for sale
“supervised learning”	the machine learning task of learning a function that maps an input to an output based on example input-output pairs. It infers a function from labeled training data consisting of a set of training examples
“TCO”	total cost of ownership, the purchase price of an asset plus the costs of operation
“TensorFlow”	a free and open-source software library for machine learning
“transfer learning”	a research field in machine learning that focuses on storing knowledge gained while solving one problem and applying it to a different but related problem