Data management with ANSA

Training	Data management with ANSA
Duration	1.5 days (12 hours)
Level	Intermediate
Who should attend	CAE analysts who want to keep the different versions and representations of their pre-processing files organized in a common data depository.
Training description and objectives	This course demonstrates how to organize data (parts or includes) involved in CAE pre-processing, as well as synchronize the model with the design evolution. Upon course completion, participants will be able to : – Read product structure files coming from PDM/PSL systems, – store and manage all data in a common data depository, – create and save alternative representations of the model parts, – switch between user defined and build in representations, – check for new versions of parts and update a model.
Prerequisites	Participants should have an engineering background. Basic knowledge of the software, ANSA part manager and compare tool, is necessary.
Language	English **ask for more languages*

Course content is subject to change without notice.
Course content may be adjusted to audience requirements or background.

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Suggested topics
Day 1
– Parts management a) Introduction b) Enabling data management c) Reading product structure from PDM/PLM systems d) Initial model set up e) Saving the common representation f) Alternative representations set up g) Creating and saving alternative representations h) Switching between representations i) Build-in representations j) “Alternative” representations k) “Available” representations l) Modifying parts that exist in the ANSA DM m) Notification for part modifications n) Study version o) CAD versions p) Connections comparison q) Meshing new parts r) Parts comparison s) Saving representation t) Version updates check u) Keyword files from suppliers
Day 2
– Includes management a) Introduction b) Loading includes in ANSA c) Preparation of the includes for archival d) Set-up the model structure in the Includes Manager e) Preparation of the includes for assembly f) Creation of the “external” connections g) Saving includes in ANSA DM h) Creation of the includes configurations matrix i) Adding new include versions in DM j) Identification of include updates k) Comparison of different include versions l) Model output