The invention claimed is :

1. A system for implementing a distributed computing system frameset package store, the system comprising:

one or more computer processors; and

computer memory storing computer-useable instructions that, when used by the one or more computer processors to perform operations comprising :

a frameset package store configured to:

receive, from a frameset package query interface, a query for

a frameset package, wherein the frameset query interface comprises

a plurality of frameset package categories, wherein frameset packages comprise frames of synthetic data scenes;

identify a query result frameset package based on a frameset

package profile, wherein the frameset package is associated with an image generation device, wherein the image generation device comprises known device-variability parameters that are programmable for machine learning; and

communicate the query result frameset package, wherein the query result frameset package comprises a frameset of a synthetic data scene, the frameset having a first frame and at least another frame comprising the synthetic data scene updated based on a value for a scene-variation parameter.

2. The system of claim 1, wherein at least a portion of the query triggers an automatically suggested frameset package, wherein the automatically suggested frameset is associated with synthetic data scene of the frameset, the synthetic data scene having a synthetic data asset.

3. The system of claim 2, wherein the synthetic data asset is associated with asset-variation parameters and scene-variation parameters, wherein the asset-variation parameters and scene-variation parameters are programmable for machine-learning.

4. The system of claim 1, wherein the synthetic data scenes are associated a synthetic data as a service (SDaaS) integrated development environment (IDE) associated with both SDaaS distributed computing service operations and SDaaS machine-learning training service operations that are part of a service-oriented architecture of an SDaaS service, wherein the service-oriented architecture abstracts underlying the SDaaS distributed computing service operations that are managed via the SDaaS service from the SDaaS machine-learning training service operations.

5. The system of claim 1, wherein the query result frameset package is assigned a value quantifier.

6. The system of claim 1, wherein the query result frameset package is communicated for display with a corresponding preview associated with a synthetic data scene of the frameset.

7. The system of claim 1, wherein the query result frameset package is communicated to an internal machine learning model training service operating on the distributed computing system or an external machine learning model training service.

8. One or more computer storage media storing instructions thereon for implementing a distributed computing system frameset package store, which, when executed by one or more processors of a computing device cause the computing device to perform actions comprising:

receiving, at a frameset package query interface, a query for a frameset package, wherein frameset packages comprise frames of synthetic data scenes;

generating a query result frameset package, wherein the query result frameset package is associated with an image generation device, wherein the image generation device comprises known device-variability parameters for machine learning;

receiving an indication to retrieve the query result frameset package; and

causing transmission of the query result frameset package, wherein the query result frameset package comprises a frameset of a synthetic data scene, the frameset having a first frame and at least another frame comprising the synthetic data scene updated based on a value for a scene-variation parameter.

9. The media of claim 8, wherein the frameset package query interface communicates with a synthetic data as a service (SDaaS) that receives queries for frameset packages, from a plurality of distributed frameset query interfaces.

10. The media of claim 8, wherein at least a portion of the query triggers an automatically suggested frameset package, wherein the automatically suggested frameset is associated with synthetic data scene of the frameset, the synthetic data scene having a synthetic data asset.

11. The media of claim 10, wherein the synthetic data asset is associated with asset-variation parameters and scene-variation parameters, wherein the asset-variation parameters and scene-variation parameters are programmable for machine-learning.

12. The media of claim 8, wherein the query result frameset package is assigned a value quantifier.

13. The media of claim 8, wherein the frameset query interface comprises a plurality of frameset package categories.

14. The media of claim 8, wherein the query result frameset package is associated with an internal machine learning model training service operating on the distributed computing system.

15. A computer-implemented method for implementing a distributed computing system frameset package generator, the method comprising:

receiving, from a frameset package query interface, a query for a frameset package, wherein the frameset query interface comprises a plurality of frameset package categories, wherein frameset packages comprise frames of synthetic data scenes;

identifying a query result frameset package based on a frameset package profile; and

communicating the query result frameset package, wherein the query result frameset package comprises a frameset of a synthetic data scene, the frameset having a first frame and at least another frame comprising the synthetic data scene updated based on a value for a scene-variation parameter.

16. The method of claim 15, wherein at least a portion of the query triggers an automatically suggested frameset package, wherein the automatically suggested frameset is associated with synthetic data scene of the frameset, the synthetic data scene having a synthetic data asset.

17. The method of claim 16, wherein the synthetic data asset is associated with asset-variation parameters and scene-variation parameters, wherein the asset-variation parameters and scene-variation parameters are programmable for machine-learning.

18. The method of claim 15, wherein the query result frameset package is assigned a value quantifier.

19. The method of claim 15, wherein the query result frameset package is communicated for display with a corresponding preview associated with a synthetic data scene of the frameset.

20. The method of claim 15, wherein the query result frameset package is communicated to an internal machine learning model training service operating on the distributed computing system or an external machine learning model training service.