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(57) Abstract :
The present disclosure relates to a system 102 and method 200 for for automatically selecting backup storage resources in a network. The method 200 includes determining 202 one or more parameters of data related to historical backup operations and predicting 204 via an Artificial Intelligence (AI) model, proliferation of the data and volume of the data based on the one or more parameters. Further, the method 200 may include determining 206 one or more attributes associated with one or more backup storage resources based on the prediction and automatically selecting 208 the one or more backup storage resources for storing the data based on the one or more attributes.

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