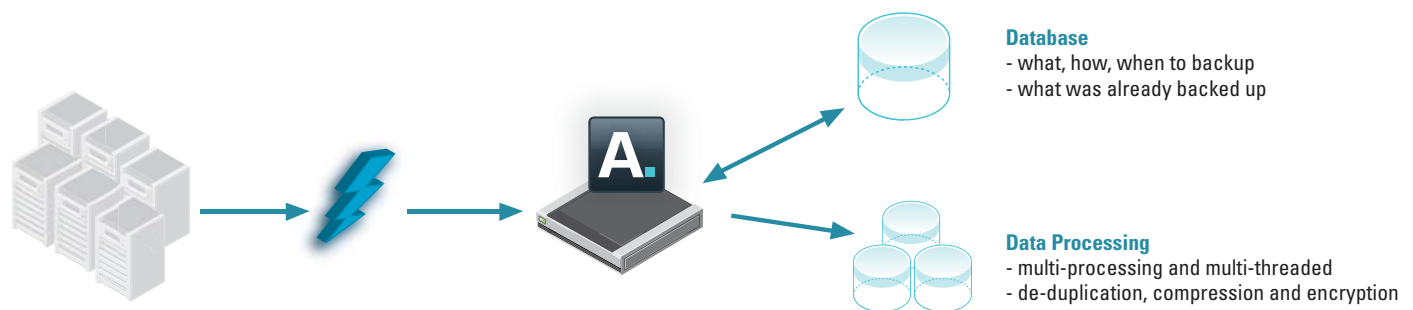


Asigra v9 Deduplication Advantage

Most systems have common files. These files might exist in more than one location, or be common to many customers, such as operating system files. It wastes bandwidth and storage space to transmit and store these files multiple times. Instead, Asigra v9 handles them as common files. This process may also be referred to as de-duplication. The result is that the same amount of data can be protected, with less being stored.

Asigra v9 offers unprecedented efficiencies to the data being stored and transferred over the network using the following methods:

- De-duplication algorithms.
- Backup and transfer of only new/changed data (incremental forever).
- Compression algorithms.



Asigra v9 DS-System identifies common files by looking for the same file being sent for backup more than once. All files are compared based on their content, so it does not matter if the files are on different servers or have different names. DS-System can judge a file to be common starting from two occurrences of the

same file. The common files are stored to the appropriate common file library and a pointer is used to point from the file's original location to the library location. This is a continuous process, as common files can appear at any time.

Bandwidth optimization drives down costs.

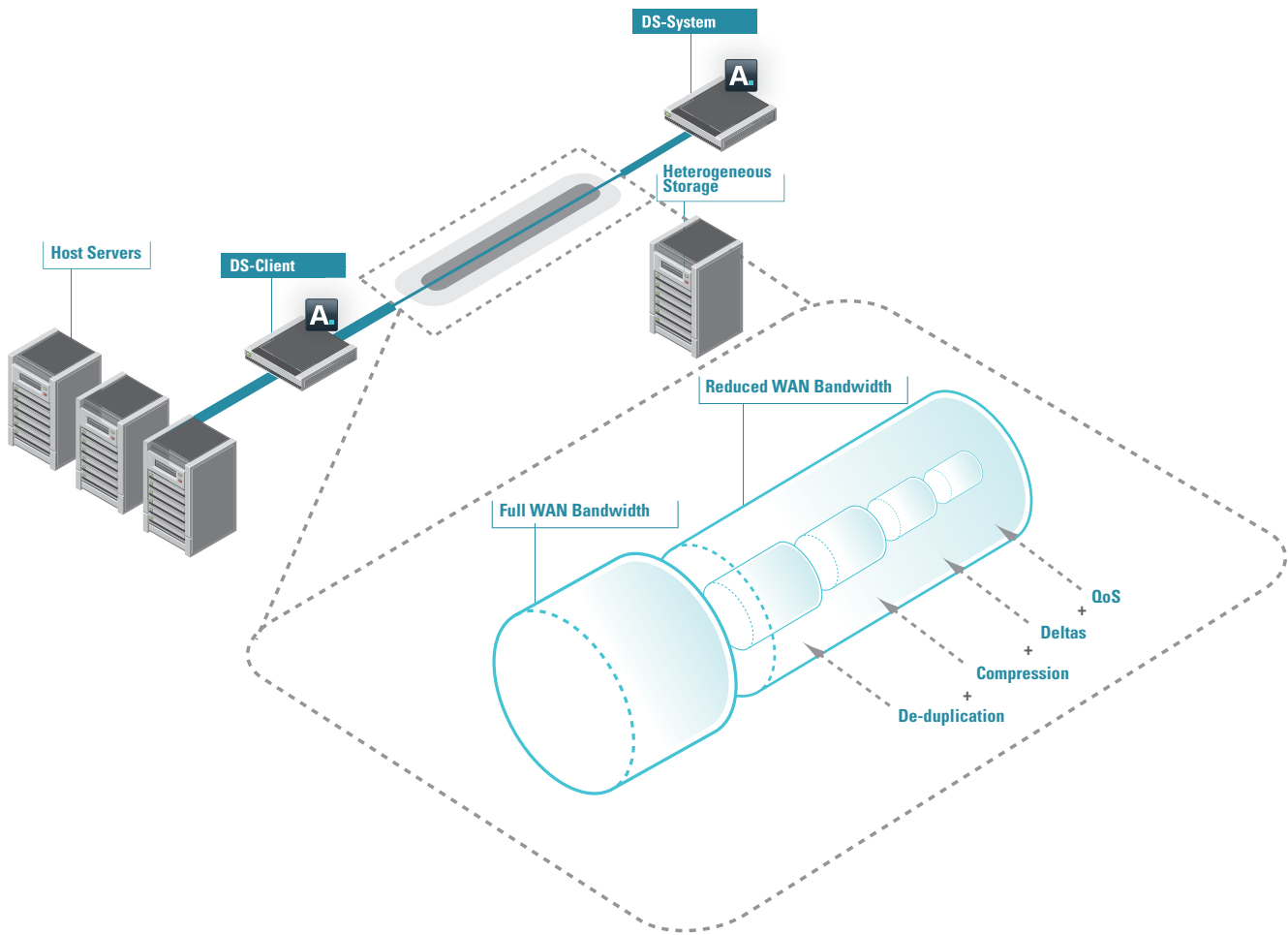
Asigra designed its backup software to alleviate the challenges of backing up remote sites. One of the biggest issues with backing up remote sites is managing WAN bandwidth costs. For some companies, the recurring cost of WAN bandwidth is a show stopper – they choose not to implement a remote backup and recovery solution because of it.

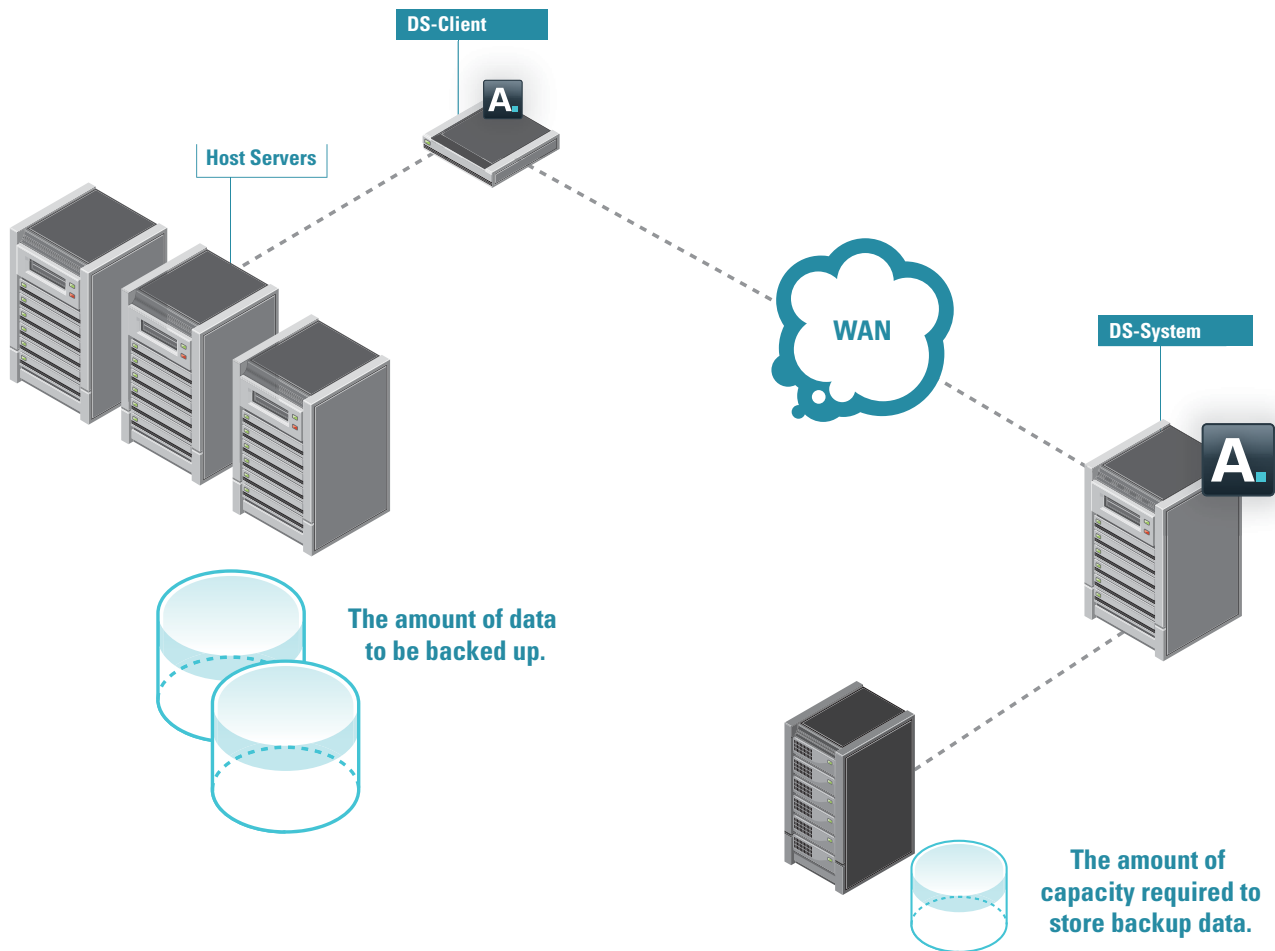
WAN costs are based on the amount of bandwidth configured for the network. Reducing the amount of data being backed up also reduces the amount and cost of bandwidth needed over the WAN.

Asigra v9 provides three methods for reducing the amount and cost of data being backed up:

- De-duplication of data.
- Continuous delta technology (sending only new data blocks to be backed up over the WAN).
- Compression algorithms to reduce WAN bandwidth.

Asigra also supports a quality of service (QoS) feature. The Asigra QoS is useful for customers who want to restrict the amount of bandwidth being used for backup data, especially during peaks in user traffic at certain times of day.





The combination of de-duplication of data, continuous deltas, and compression changes the economics of backing up data in the customer's favor. Customers can reduce the amount of WAN bandwidth utilized, minimizing recurring service charges, and can reduce the amount of storage capacity required to store backup data.

Additionally, this is not a one-time cost savings, but an ongoing benefit that becomes even more attractive over time.

To get more details on Asigra v9, click on www.RecoverYourCool.com/v9query to enter in your question and a product representative will get back to you.

About Asigra.

Leading organizations reduce costs by applying cloud computing to backup and recovery with **efficient**, **cost-effective** and **transformational** solutions from Asigra. Customers consistently redirect savings derived from our approach to projects of higher strategic and personal value, many of which have been on-hold for a year or more. The positive business outcomes made possible from a low-touch agentless architecture are revealed through Asigra's Day One ROI™ - an exercise that delivers enormous value with little up-front investment.

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