

# Actian DataCloud Backup for Ingres

## Secure cloud backup for Ingres mission critical data

### Key Benefits

**Integrated** - The backup agent monitors Ingres for checkpoints and journals and transfers them to cloud storage automatically

**Secure** - Backups encrypted with AES encryption using a 256-bit key

**Scalable** - Automatically to handle increasing data volumes and multiple clients

**Fast** - Automatic compression and splitting of files to ensure backup data transfers are as fast as possible

**Easy** - Integrated backup agent understands your checkpoint strategy and you can use a browser based web console to manage your backups

**24x7 Management** - The DataCloud Backup Service is monitored 24/7 by our dedicated Cloud Operations team to ensure trouble free operations

Actian DataCloud Backup for Ingres provides a scalable and secure managed cloud service for storing and managing Ingres backups. DataCloud Backup is tightly integrated with Ingres and automatically transfers backup data resulting from database checkpoints and journals to the cloud.

### DataCloud Backup Designed for Ingres

DataCloud Backup ensures that backups are complete and transactionally consistent. Common snapshot/file copy solutions can easily result in transactionally inconsistent database backups that result in failure when doing data recovery.

### Backup Encryption and Secure Communications

The DataCloud Backup agent uses an encrypted HTTPS communications channel between the Ingres instance and the DataCloud Backup service in the public cloud. Additionally, all backup data is encrypted locally before being transferred to cloud storage with a strong encryption password of your choice, protected by the industry standard Advanced Encryption Standard (AES) with a 256-bit key that never leaves the Ingres instance.

### Cost Effective Tape Alternative

Typical strategies for saving your Ingres checkpoints involve storing backup related files on a storage medium that is separate from what your Ingres database system - this is usually a tape or a separate external disk. These strategies involve additional costs, complexity and can be labor intensive (especially in case of tape). DataCloud Backup provides a cost effective alternative by keeping your backup data in extremely durable offsite cloud storage.

### Scalable Cloud Service

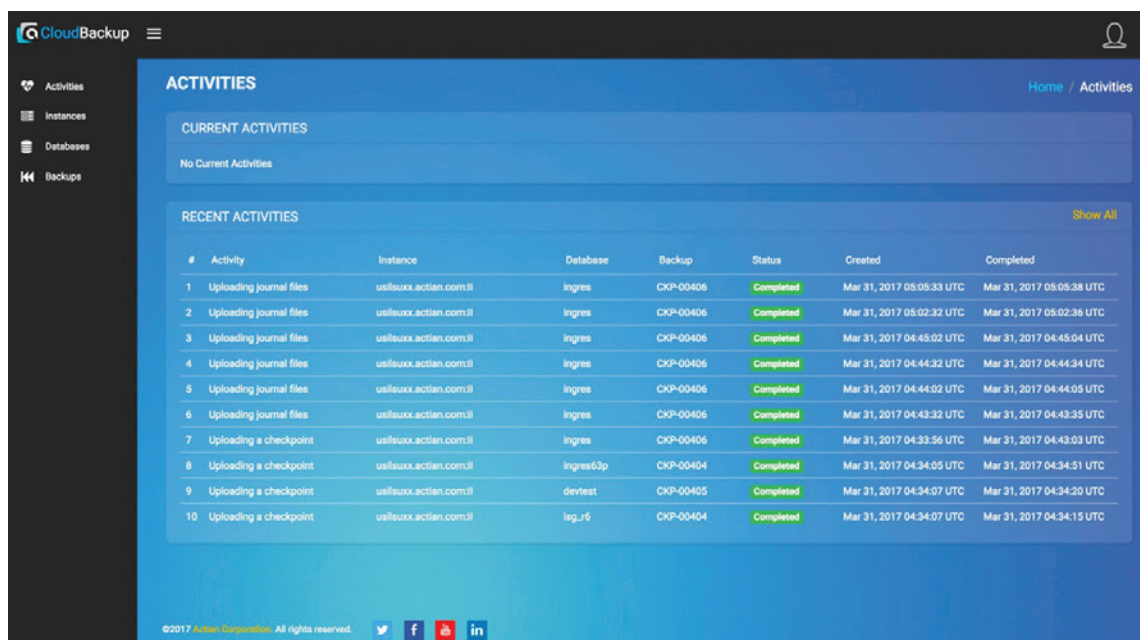
The DataCloud Backup service is designed to scale with your backup requirements. It uses proven techniques including load balancing and automatic provisioning servers to handle increasing workloads. Your Ingres DBA's also don't need to pre-allocate or reserve disk capacity for their backups. You pay each month for the storage capacity you use, and the service subscription includes a free tier of 1TB storage.

## Easy to Manage

Monitor and manage backups through an intuitive browser based DataCloud Backup Console that allows you to see your backup activities and registered Ingres instances, and to download backups at the click of a button.

You can use the Console to:

- View current activities such as backup and download
- View recent activities
- See registered Ingres instances
- See databases that have been backed up
- See backups that are currently available
- Download backups



The screenshot shows the DataCloud Backup Console interface. The left sidebar contains navigation links for Activities, Instances, Databases, and Backups. The main content area is titled 'ACTIVITIES' and shows 'CURRENT ACTIVITIES' (No Current Activities) and 'RECENT ACTIVITIES' (10 items). A 'Show All' link is present next to the recent activities section. The table below lists the recent activities.

#	Activity	Instance	Database	Backup	Status	Created	Completed
1	Uploading journal files	uslsuux.actian.com:3	Ingres	CKP-00406	Completed	Mar 31, 2017 05:05:33 UTC	Mar 31, 2017 05:05:38 UTC
2	Uploading journal files	uslsuux.actian.com:3	Ingres	CKP-00406	Completed	Mar 31, 2017 05:02:32 UTC	Mar 31, 2017 05:02:36 UTC
3	Uploading journal files	uslsuux.actian.com:3	Ingres	CKP-00406	Completed	Mar 31, 2017 04:45:02 UTC	Mar 31, 2017 04:45:04 UTC
4	Uploading journal files	uslsuux.actian.com:3	Ingres	CKP-00406	Completed	Mar 31, 2017 04:44:32 UTC	Mar 31, 2017 04:44:34 UTC
5	Uploading journal files	uslsuux.actian.com:3	Ingres	CKP-00406	Completed	Mar 31, 2017 04:44:02 UTC	Mar 31, 2017 04:44:05 UTC
6	Uploading journal files	uslsuux.actian.com:3	Ingres	CKP-00406	Completed	Mar 31, 2017 04:43:32 UTC	Mar 31, 2017 04:43:35 UTC
7	Uploading a checkpoint	uslsuux.actian.com:3	Ingres	CKP-00406	Completed	Mar 31, 2017 04:33:56 UTC	Mar 31, 2017 04:43:03 UTC
8	Uploading a checkpoint	uslsuux.actian.com:3	Ingres63p	CKP-00404	Completed	Mar 31, 2017 04:34:05 UTC	Mar 31, 2017 04:34:51 UTC
9	Uploading a checkpoint	uslsuux.actian.com:3	devtest	CKP-00405	Completed	Mar 31, 2017 04:34:07 UTC	Mar 31, 2017 04:34:20 UTC
10	Uploading a checkpoint	uslsuux.actian.com:3	leg_r6	CKP-00404	Completed	Mar 31, 2017 04:34:07 UTC	Mar 31, 2017 04:34:15 UTC

## Multiple Storage Regions

DataCloud Backup allows you to choose the geographical region where your backup data will be stored. This choice is made when you register the agent with the backup service. We currently support regions in North America and the European Union and will be adding more.

## Get Started

Please contact your Account Manager if you are interested in the DataCloud Backup Service. You'll be amazed how easy it is to set up and how quickly you'll start saving time and money.



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