

Backup Commands v3.1

Introduction

DAS recovery is about providing a mechanism to safely backup and restore domains. This feature was already available in GlassFish v2.x and is now ported onto GlassFish v3.1

DAS recovery involves three commands backup-domain, restore-domain, list-domains. The commands have been rewritten to fit the new OSGI model and also to use the new CLI framework in GlassFish v3.x The following table lists the comparisons of v2 and v3.1 back up commands.

The enhancements column maps to the details in the [DAS recovery one pager](#) section 4.1

| Sl No | Command Name | Use case | v2.x |
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| 1. | backup-domain | usage text | Usage: backup-domain [--domaindir domain_directory] [--description description] [--echo=false] [--terse=false] [--verbose=false] [domain_name] |
| 2. | restore-domain | usage text | Usage: restore-domain [--domaindir domain_directory] [--filename backup_filename] [--description description] [--terse=false] [--echo=false] [--verbose=false] [domain_name] |
| 3. | list-backups | usage text | list-backups [--domaindir domain_directory] [--terse=false] [--echo=false] [--verbose=false] [domain_name] |
| 4. | backup-domain | -without options/operand -no domains present | <code>./asadmin backup-domain</code> Usage: backup-domain [--domaindir domain_directory] [--description description] [--echo=false] [--terse=false] [--verbose=false] [domain_name] com.sun.enterprise.cli.framework.CommandException: CLI142 No domain in /v2.1/publish/glassfish/domains. |
| 5. | restore-domain | -without options/operand -no domains present | <code>\$./asadmin restore-domain</code> Usage: restore-domain [--domaindir domain_directory] [--filename backup_filename] [--description description] [--terse=false] [--echo=false] [--verbose=false] [domain_name] com.sun.enterprise.cli.framework.CommandException: CLI142 No domain in /v2.1/publish/glassfish/domains. |

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| | | | in /v2.1/publish/glassfish/domains. |
| 6. | list-backups | -without options/operand -no domains present | \$./asadmin list-backups Usage: list-backups [--domaindir domain_directory] [--terse=false] [--echo=false] [--verbose=false] [domain_name] com.sun.enterprise.cli.framework.CommandException: CLI142 No do in /v2.1/publish/glassfish/domains. |
| 7. | backup-domain | -without options/operand | \$./asadmin backup-domain Successfully backed up the domain Description: 1276594657425 Backup Filename: /v2.1/publish/glassfish/domains/domain1/backups/sjsas_backup_v00 Date and time backup was performed: Tue Jun 15 15:07:37 IST 2010 Domains Directory: /v2.1/publish/glassfish/domains Domain Directory: /v2.1/publish/glassfish/domains/domain1 Domain Name: domain1 Name of the user that performed the backup: yamini |
| 8. | restore-domain | -without options/operand | \$./asadmin restore-domain Successfully restored the domain, domain1 , to /v2.1/publish/glassfish/domains/domain1 Description: 1276594657425 Backup Filename: /v2.1/publish/glassfish/domains/domain1/backups/sjsas_backup_v00 Date and time backup was performed: Tue Jun 15 15:07:37 IST 2010 Domains Directory: /v2.1/publish/glassfish/domains Domain Directory: /v2.1/publish/glassfish/domains/domain1 Domain Name: domain1 Name of the user that performed the backup: yamini |
| 9. | list-backups | -without options/operand | \$./asadmin list-backups Description: 1275405623231 Backup Filename: /v2.1/publish/glassfish/domains/domain1/backups/sjsas_backup_v00 Date and time backup was performed: Tue Jun 01 20:50:23 IST 2010 |

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| | | | <p>Domains Directory: /v2.1/publish/glassfish/domains Domain Directory: /v2.1/publish/glassfish/domains/domain1 Domain Name: domain1 Name of the user that performed the backup: yamini</p> <p>Description: 1276594657425 Backup Filename: /v2.1/publish/glassfish/domains/domain1/backups/sjsas_backup_v00 Date and time backup was performed: Tue Jun 15 15:07:37 IST 2010 Domains Directory: /v2.1/publish/glassfish/domains Domain Directory: /v2.1/publish/glassfish/domains/domain1 Domain Name: domain1 Name of the user that performed the backup: yamini</p> |
| 10. | all 3 commands | with DAS running | <p>\$./asadmin backup-domain Usage: backup-domain [--domaindir domain_directory] [--description description] [--echo=false] [--terse=false] [--verbose=false] [domain_name] The domain must be stopped before a backup-domain can be performed</p> <p>\$./asadmin restore-domain Usage: restore-domain [--domaindir domain_directory] [--filename backup_filename] [--description description] [--terse=false] [--echo=false] [--verbose=false] [domain_name] The domain must be stopped before a restore-domain can be performed</p> <p>\$./asadmin list-backups Description: 1275405623231 Backup Filename: /v2.1/publish/glassfish/domains/domain1/backups/sjsas_backup_v00 Date and time backup was performed: Tue Jun 01 20:50:23 IST 2010 Domains Directory: /v2.1/publish/glassfish/domains Domain Directory: /v2.1/publish/glassfish/domains/domain1 Domain Name: domain1 Name of the user that performed the backup: yamini</p> <p>Description: 1276594657425 Backup Filename: /v2.1/publish/glassfish/domains/domain1/backups/sjsas_backup_v00 Date and time backup was performed: Tue Jun 15 15:07:37 IST 2010 Domains Directory: /v2.1/publish/glassfish/domains Domain Directory: /v2.1/publish/glassfish/domains/domain1 Domain Name: domain1 Name of the user that performed the backup: yamini</p> |

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| 11. | list-backups | multiple domains present | <pre>\$./asadmin list-backups</pre> <p>Usage: list-backups [--domaindir domain_directory] [--terse=false] [--echo=false] [--verbose=false] [domain_name]</p> <p>com.sun.enterprise.cli.framework.CommandException: There is more than one domain in /v2.1/publish/glassfish/domains. Please use operand to the domain.</p> |
| 12. | backup-domain | backup with operand | <pre>\$./asadmin backup-domain domain1</pre> <p>Successfully backed up the domain</p> <p>Description: 1276605024119</p> <p>Backup Filename: /v2.1/publish/glassfish/domains/domain1/backups/sjsas_backup_v00</p> <p>Date and time backup was performed: Tue Jun 15 18:00:24 IST 2010</p> <p>Domains Directory: /v2.1/publish/glassfish/domains</p> <p>Domain Directory: /v2.1/publish/glassfish/domains/domain1</p> <p>Domain Name: domain1</p> <p>Name of the user that performed the backup: yamini</p> |
| 13. | restore-domain | more than one domain exists in domains directory | <pre>\$./asadmin restore-domain</pre> <p>Usage: restore-domain [--domaindir domain_directory] [--filename backup_filename] [--description description] [--terse=false] [--echo=false] [--verbose=false] [domain_name]</p> <p>com.sun.enterprise.cli.framework.CommandException: There is more than one domain in /v2.1/publish/glassfish/domains. Please use operand to the domain.</p> |
| 14. | restore-domain | -operand is specified -more than one domain exists | <pre>\$./asadmin restore-domain foo</pre> <p>Usage: restore-domain [--domaindir domain_directory] [--filename backup_filename] [--description description] [--terse=false] [--echo=false] [--verbose=false] [domain_name]</p> <p>CLI153 /v2.1/publish/glassfish/domains/foo does not exist or does not have write permission</p> |
| 15. | restore-domain | restoring to a different | <pre>\$./asadmin restore-domain --filename</pre> <p>/v2.1/publish/glassfish/domains/domain1/backups/sjsas_backup_v00</p> |

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| | | domain name | <p>domain3</p> <p>WARNING: The original backed-up domain name is [domain1], and y restoring it to [domain3].</p> <p>Successfully restored the domain, domain3, to /v2.1/publish/glassfish/domains/domain3</p> <p>Description: 1276605024119</p> <p>Backup Filename: /v2.1/publish/glassfish/domains/domain1/backups/sjsas_backup_v00</p> <p>Date and time backup was performed: Tue Jun 15 18:00:24 IST 2010</p> <p>Domains Directory: /v2.1/publish/glassfish/domains</p> <p>Domain Directory: /v2.1/publish/glassfish/domains/domain1</p> <p>Domain Name: domain1</p> <p>Name of the user that performed the backup: yamini</p> |
| 16. | restore-domain | -no domains in domains dir -operand specified | <p>\$ /asadmin restore-domain --filename /v2.1/publish/glassfish/boo.bak/backups/sjsas_backup_v00001.zip fc</p> <p>Successfully restored the domain, foo, to /v2.1/publish/glassfish/domains</p> <p>Description: 1276615825655</p> <p>Backup Filename: /v2.1/publish/glassfish/domains/foo/backups/sjsas_backup_v00001.z</p> <p>Date and time backup was performed: Tue Jun 15 21:00:25 IST 2010</p> <p>Domains Directory: /v2.1/publish/glassfish/domains</p> <p>Domain Directory: /v2.1/publish/glassfish/domains/foo</p> <p>Domain Name: foo</p> <p>Name of the user that performed the backup: yamini</p> |
| 17. | restore-domain | -no domains in domains dir -operand not specified | <p>\$ /asadmin restore-domain --filename /v2.1/publish/glassfish/domains/boo.bak/backups/sjsas_backup_v000</p> <p>Usage: restore-domain [--domaindir domain_directory] [--filename backup_filename] [--description description] [--terse=false] [--echo=fa</p> <p>verbose=false] [domain_name]</p> <p>com.sun.enterprise.cli.framework.CommandException: CLI142 No do</p> <p>in /v2.1/publish/glassfish/domains.</p> |

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