# Chinese Control Content in RDS

1. RDS

2. JD Cloud console

3. Create

4. RDS Help Documentation

5. Name, Status, Database type, Availability zone, Tag key, Creation time, Billing information, Actions, Login to database, Renew, More,

Upgrade configuration, Added read-only instances, Reboot, Delete, Please enter the name to search, Current tag filter will be automatically cleared during search, Tag key, Bulk delete is not allowed for suba-ccounts,

**Details Page:**

**Resource Information:**

Basic information, Name, Billing type: Pay by configuration, Monthly package, Creation time, Automatic backup time, Region, Availability zone

Network, Access mode, Standard mode

Configuration, Database version, Database type, CPU, Memory, Storage space

Domain name White list default is open to the VPC. In case of inaccessibility, please check the setting of white list

Intranet domain name: Only support intranet connection. Please view connection instance for details, Extranet domain name: disabled (enable/disable) extranet access, Port

Relevant instances: 0 read-only instances, Add, Read-only instance intranet domain name,

**Monitoring:**

1h, Select time range for search, Set alarm rules, CPU usage rate (%) Period: 1min Aggregation method: avg, Memory use rate (%), Total disk space usage (GByte), Incoming network traffic (Kbps), Sending network traffic (Mbps), Network traffic (Kbps), Execution of SQL statement per second (times), Transaction number per second (Nr.), Number of temporary table (Nr.), User data usage (GByte), Current connection number (Nr.), System data usage (GByte), InnoDB buffer pool read cache hit ratio, Use rate, Dirty block ratio (%), Log file usage (GByte), Read-write amount of InnoDB (KB), InnoDB buffer reads (times), InnoDB log read and write, fsync (times), COMDML (times/second), Instance input traffic per second, Instance output traffic per second, Current active connection number, InnoDB read capacity per second, InnoDB write capacity per second, InnoDB read capacity to buffer pool per second, InnoDB write capacity to buffer pool per second, Physical write times of InnoDB log, fsync write times per second of InnoDB log

**Account Management:**

Create an account; Database account: Account only supports numbers, upper-case and lower-case letters and English underline "\_", no more than 16 characters; Password: Password must contain and only supports upper-case and lower-case letters as well as numbers, no less than 8 characters and no more than 16 characters; Please input the password again; Authorization of database; Database that may be authorized; Authorized database; Read and write access to all data; Read-only for all data; Reset password; Modify permission; Delete account; Confirm to delete account?; System reserved keywords Please check; Account only supports numbers, upper-case and lower-case letters and English underline "\_", no more than 16 characters; Account cannot be blank; The length of account cannot be more than 16 characters; "-" character in the account cannot be continuous; Password cannot be blank; The length of password cannot be less than 8 characters and no more than 16 characters; Password must contain and only supports upper-case and lower-case letters as well as numbers; Passwords input the two times are consistent; Modifying permission failed; Request failed; Creating account failed; Deleting account failed; Please try again later; No database account now

**Database Management:**

Create a database; Name; Character set; Associate an account; Actions; Database name; The name only supports numbers, upper-case and lower-case letters and English underline, no less than 2 characters and no more than 32 characters; Character set; Delete database; Notification; Please select; Confirm to delete database; Delete database; Database name cannot be null; Database name shall be no less than 2 characters and no more than 32 characters; Database name only supports numbers, upper-case and lower-case letters and English underline "\_", rather than "\_\_"; Creating database failed; Deleting database instance failed; No database now;

**Backup Management:**

Create backup; Backup name; Backup status; Backup type; Backup size; Creation time; Create based on backup; Recover task based on backup; Download; Name only supports numbers, upper-case and lower-case letters and English underline "\_", no less than 2 characters and no more than 32 characters; Automatic backup; Manual backup; Name; Record start time; Record end time; Binlog size; Upload Binlog by one click; Valid period of intranet and extranet address is 24h; English quotation marks are required for URL when using wget to download; You are suggested to download via the intranet address if the virtual machine is in the same region as the cloud database. Intranet address; Extranet address; Local download; Backup policy; Modification policy; Automatic backup cycle: once a day; Automatic back up time; Binlog backup: enabled; Days of reservation: 7 days; Automatic backup time; Confirm to delete backup; Recover based on backup; Cover current database data based on selected backup; All data generated after creating back up will be lost so you are suggested to back up data before this action.; You are suggested to use [Create based on backup] function first; Create database for pay by configuration and confirm whether the backup data is the data you need; Confirm to cover the current database data with the selected backup?; Valid period of intranet and extranet address is 24h; English quotation marks are required for URL when using wget to download; You are suggested to download via the intranet address if the virtual machine is in the same region as the cloud database; Reproduction succeeded; Intranet address; Extranet address; Local download; Modifying backup policy failed, please try again later; No back up now; No Binlog data now; Submitting recovery tasks based on backup failed, please try again later,

**Read-only Instance Management:**

Add read-only instance; Instance ID; Status; Creation time; Domain name; Availability zone; Actions; Support up to 8 read-only instances; Delete read-only instance; Confirm to delete read-only instance; Read-only instance information; Database type; Version; Specification; Storage space; Billing type; Confirm to reboot read-only instance; Availability Zone A; Availability Zone B; No read-only instances now; Instance is overdue, and reboot action is not supported; Reboot task submission failed, please try again later; Up to 8 read-only instances are supported, and additional 7 instances may be created; There are totally 4092 Subnet Ips, and remaining 4072 are available,

**Performance Optimization:**

Slow log statistics; Slow log details; Select time range; Statistics time; Database name; SQL statement; Execution details; Lock duration; Scan line number; Return line number; No slow log statistics information now; Search; All databases; Execution start time; Execution duration; Total execution duration; Total execution times; Maximum execution duration; Total lock duration; Maximum lock duration; Total scan line number; Maximum scan line number; Total return line number; Maximum return line number; Illegal data format or date exceeding the limited scope. Do you need to cancel it?; No detailed slow log information now;

**Security Management:**

Edit; Allowed IP list; Edit white list; Edit method; Text edit; Secondary virtual machine selection; Assigned IP address: 192.168.0.1 access of IP address 192.168.0.1 is allowed

Assigned IP segment: 192.168.0.0/24 (access of 192.168.0.1 to 192.168.0.255 is allowed)

Multiple IP settings shall be separated by English comma or carriage return interval

White list including 0.0.0.0/0 represents that all addresses are allowed for access. Please consider carefully

Only the Virtual Machines in the VPC are listed here; Additional 49 white lists may be added; White list setting; There must be at least one IP or IP segment in a white list; White list supports up to 50 Ips or IP segments; Submitted data include illegal IP(s) or IP segment(s), please check before submit again;

**Action Items:**

Enable the high security mode; Disable the high security mode; Create based on time point; Enable extranet access; Disable extranet access; Standard mode has short response time, but has no SQL audit and block capability; High security mode; High security mode has the SQL audit and block capability, but may increase certain response time; Original database configuration; Upgrade configuration only aims at primary instances, and read-only instances are not supported temporally; Storage space; Specification; Billing type; Cost; Total; Pay now; Expiration time; Confirm to enable high security mode; High security mode has the SQL audit and block capability, but may increase certain response time; Confirm to disable high security mode; Disabling high security mode will cause losing the SQL audit and block capability, but the response time will be shortened; Confirm to delete cloud database; The instance shall be deleted if it has transregional backup synchronization service; Confirm to reboot cloud database &nbsp;RDS; The selected configuration is the same as the current configuration; Calculating; Deleting task submission failed, please try again later;

**Creating Page:**

Monthly package; Pay by configuration; Region; Specification; Database type; Version; Storage space; Virtual private cloud; Select network; You may create a new virtual private cloud or a new subnet with the console. You may click to refresh if you cannot find the newly created virtual private cloud; Deployment method; Deployment of multiple availability zone; Whether the backup copies of assigned database instance are deployed in another availability zone; Select availability zone; Basic information; Instance name; Name only supports numbers, lower-case letters, Chinese and English underline, no less than 2 characters and no more than 32 characters; Database name; Name only supports numbers, lower-case letters and English underline, no less than 2 characters and no more than 32 characters; Database account; Account numbers, upper-case and lower-case letters and English underline "\_", no more than 16 characters; Password; Password must contain and only supports upper-case and lower-case letters as well as numbers, no less than 8 characters and no more than 16 characters; Confirm password; Buy; Purchase duration; Selected configuration; Purchase now; 2012 enterprise version; SQL server instances are required to be in the same VPC with the Virtual Machines of accessed database, and the security group of the Virtual Machines turns on the 1433 port, please click to view the file;

**Order Confirmation Page:**

Order confirmation; Payment confirmation; Payment completion; Product type; Product details; Billing type; Purchase duration; Count; Cost; Order amount; I have read and agreed with the *Service Terms of RDS*; Amount payable; Please read and check the service agreement;

SQLserver：

Primary node; Backup node; SQL Server Help Documentation; Internal management account (connect); No database in "running" status, backup is not required;

**Cloud on Single Database:**

Import Steps: 1. Generate and upload Key value; 2. Upload files with the tool (download the upload tool); 3. Start to import;

Generate upload order; Upload order; File name; Size; Upload finish time; File status; Import finish time; The database into which the files are imported must exist first, or be created first if it is absent. Backup import; Select the database into which the files are imported; Please add the name of files uploaded at the end of the generated order; Instance can only be imported in "running" status; Set as shared; Cancel sharing; Only one import action is allowed at one time; Files in processing are not allowed to be deleted; The database into which the files are imported must exist first, or be created first if it is absent; After import starts, target database will be covered, and all the original data will be lost, please confirm; Database recover mode; During confirming to create backup, the recovery mode of database is FULL mode; During confirming to create backup, the recovery mode of database must be FULL mode, or the recovery fails. For specific check and setting method, please view whether documents; Files are illegal, so cloud on single database failed, please try again; Setting as shared succeeded; Canceling sharing succeeded; Setting as shared failed; Canceling sharing failed;

**Parameter Setting:**

Edit parameter; Parameter name; Run parameter value; Modify parameter value; Parameter value modifiable; Reboot or not; Parameter value can be modified to [0,128-32767]; Modifying parameter succeeded; Modifying parameter failed; Parameter value cannot be blank; Only number is allowed;

**Audit:**

Audit setting; Enable or not; Audit file download; Audit file shall be saved for 6 months, and there is 0.5h latency for audit files in use; File name; Latest write time; File size; No audit data now; Edit policy; Recommended configuration is used, and 14 items are selected; Use recommended configuration; Not selected; Selected; Confirm to disable SQL audit function;

**Performance Analysis:**

The system only keep the relevant performance information from previous reboot, and it is suggested to regularly export and download data if long-term data are needed; Up to 100 latest records can be exported by file export; SQL performance statistics; SQL statement; Average execution time; Average CPU time; Execution times; Return line number; Logical reads; Logical writes; Physical reads; Previous execution time; Execution time is more than; Search results will be sorted in descending order based on "average execution time"; Return line number is more than; Search results will be sorted in descending order based on "return line number"; Execution times is more than; Search results will be sorted in descending order based on "execution times"; Average CPU time consumption is more than; Search results will be sorted in descending order based on "average CPU time"; average physical read times is more than; Search results will be sorted in descending order based on "physical reads"; average logical read times is more than; Search results will be sorted in descending order based on "logical reads"; average logical write times is more than; Search results will be sorted in descending order based on "logical writes"; No search statistic data now;

Index Performance Analysis:

Statistic dimension; List scan; Search results will be sorted in descending order based on "list scan times"; Database name; List name; Index name; Index size; List scan times; User update times; User search times; Previous scan time; Missing indexes and suggestions; Missing indexes and suggested use method may refer to " Help Documentation"; Potential performance increase %; Equality column; Inequality column; Included column; Least used index; Search results will be sorted in ascending order based on “user search times"; Previous index search time; Index update; Search results will be sorted in descending order based on “user update times"; Index size; Search results will be sorted in descending order based on "index size"; Previous index search time; Obtaining statistics list failed; Exporting statistics list failed, please try again later;

**Log Management:**

File name; Latest update time; File size; Actions;

Action Items:

Reboot instance: If instance is being backed up, rebooting instance will lead to backup failure, and confirmation may be made by viewing the automatic backup time in backup policy; 2: Primary and backup switch function is suggested to be combined with, in order to reboot nodes in turns so as to prevent influence on business; Reboot primary nodes (located in Availability Zone A); Reboot backup nodes; Reboot both primary and backup nodes; Confirm to reboot now?;

Primary and backup switch:

If instance is being backed up, primary and backup switch will lead to backup failure, and confirmation may be made by viewing the automatic backup time in backup policy;

Current information on primary and backup nodes; Primary nodes: (located in Availability Zone A); Backup nodes: (located in Availability Zone A); Confirm to do primary and backup switch?

Edit tag:

Current tag; Each resource can be associated with up to 10 tags; Add tag;

**Notification Information:**

In case of full, increment and increment loop, full backup is carried out every day;

Full, increment, increment loop: Full, increment and increment backup for the first, second and third days respectively; full, increment and increment backup for the fourth, fifth and sixth days respectively, by analogy.

Full backup for every day: Full backup is carried out for every day, and no increment backup is done. In case of a large amount of data, such backup needs longer time, occupying relatively more IO resources. Notwithstanding the backup policy, recovery or creation may be executed based on time points.

Pending, recovering, deleting, importing, expanding, instance adding, access mode switching, instance deleting, single database backup recovering, rebooting, primary and backup switching, primary and secondary switching, attribute modifying, read-only instance rebooting, running, error, stop, reboot error, normal,

dataInit:'Data initializing',

noAccountlimit: 'No access to operate',

requestFail: 'Request failed, please try again later.' ,

noRdsData: 'No RDS data',

tipDuration: 2000, // unit (ms), 0 not lost

delRdsPartSus: 'Partial cloud database deleting task successfully submitted',

delRdsInstance: 'Backup deleting task successfully submitted, please refresh the page manually',

delRds: 'Delete the cloud database',

delRdsSus: 'Cloud database deleting task successfully submitted, please refresh the page manually',

createRds: 'Create cloud database',

createRdsTaskSuc: 'Cloud database creating task successfully submitted, please refresh the page manually',

createRdsRdTaskSuc: 'Read-only instance creating task successfully submitted, please refresh the page manually',

createRdsTaskFail: 'Cloud database creating task submission failed, please refresh the page manually',

createRdsRdTaskFail: 'Read-only instance creating task submission failed, please refresh the page manually',

delRdsAllFail: 'All cloud database deleting task submissions failed, please refresh the page manually',

bnbyCannotDel: 'Monthly package resources are not allowed to be deleted',

loading: 'Data uploading, please wait...',

backUpLimit: 'Current manual instance backup quota is full',

createBackTip: 'Backup creating task successfully submitted',

restoringByBack: 'Backup-based recovery task successfully submitted, please refresh the page manually',

middleStatusCanNot: 'Only cloud database in running status can be recovered based on backup',

instanceLimit: 'Read-only instance quota is full, and creation cannot be executed',

instanceIpLimit: 'The number of available IPs is insufficient in the subnet, and creation cannot be executed',

sqlLimit: 'There is too much data, and only the latest 10,000 data are shown now',

upGradeSucss: 'Configuration upgrade task successfully submitted, please refresh the page manually',

upGradeFail: 'Configuration upgrade task submission failed, please refresh the page manually',

deleteClusterTip: 'Deleting task successfully submitted, please refresh the page manually',

upLoadBinlog: 'Binlog uploading task successfully submitted',

upLoadBinlogFail: 'Binlog uploading task submission failed, please try again later.' ,

deleteInstanceSuc: 'Read-only instance deleting task successfully submitted, please refresh the page manually',

createTimeNot: 'Creation time is less than 30 minutes, and the action is not allowed',

clusterQuota: 'Current region instance quota is full',

createDatabaseTip: 'Cloud database service creation succeeded, please refresh the page manually',

createDatabaseFailTip: 'Cloud database service creation failed, please refresh the page manually',

orderFail: 'Order submission failed',

AutoBackTips: 'Automatic backup is not allowed to be deleted',

exportExcelSuc: 'Action succeeded. List exporting, please wait...',

exportExcelFil: 'List exporting failed, please try again later...',

masterSlaveSwitchSuc: 'Primary and backup switch task successfully submitted, please refresh the page manually',

masterSlaveSwitchFil: 'Primary and backup switch task submission failed, please try again later',

masterRestartSuc: 'Reboot task successfully submitted, please refresh the page manually',

masterRestartFil: 'Reboot task submission failed, please try again later',

restartSuc: 'Reboot task successfully submitted, please refresh the page manually',

getUploadKeyFail: 'Upload order generation failed, please try again later',

openAduitSuc: 'SQL audit enabling task successfully submitted, please refresh the page manually',

openAduitFail: 'SQL audit enabling task submission failed, please try again later',

closeAduitSuc: 'SQL audit disabling task successfully submitted, please refresh the page manually',

closeAduitFail: 'SQL audit disabling task submission failed, please try again later',

modifyAduitSuc: 'SQL audit modifying task successfully submitted, please refresh the page manually',

modifyAduitFail: 'SQL audit modifying task submission failed, please try again later',

importDbSuc:'Start importing, please view the import status and result in the [Cloud on Single Database] page',

changeWhiteListSuc:'White list editing task successfully submitted',

changeWhiteListFail:'White list editing task submission failed, please try again later',

openNetSuc:'Extranet access enabling task successfully submitted',

openNetFail:'Extranet access enabling task submission failed, please try again later',

closeNetSuc:'Extranet access disabling task successfully submitted',

closeNetFail:'Extranet access disabling task submission failed, please try again later',

createSyncTips:'Only one synchronization service can be created for each instance',

createAcrosSuc:'Transregional synchronization service creating task successfully submitted',

createAcrosFail:'Transregional synchronization service creating task submission failed, please try again later',

deleteAcrosSuc:'Transregional synchronization service deleting task successfully submitted',

deleteAcrosFail:'Transregional synchronization service deleting task submission failed, please try again later',

noAcrossList:'No transregional synchronization service',

noData:'No Virtual Machines available for current VPC',

'PermissionError.SubUserAuthorization':'Access denied, please contact the administrator to grant permission',

'Arrearage': 'Arrearage',

'Forbidden': 'No access right',

'NotFound': 'Can't find resources',

'Invalid.Parameter': 'Parameter error',

'NotOperational': 'Monthly package resources are not allowed to be deleted',

'RepeatRequest': 'Repetitive submission',

'OverAge': 'Resources already reach upper limit',

'Conflict': 'Internal error or resource conflict',

'Expire': ‘Resources expire',

'InProcessing': 'Resources are in processing, which cannot be operated',

'InvalidPermission':'Inactive permission',

'Invalid.Discount': 'invalid discount',

'ResourceError.QuotaExceeded': 'The backup quota is full, and creation can’t be executed',

'422': 'Instance status is incorrect or the instance in backup cannot be subject to recovery operation temporarily',

'Read timed out’: 'Request time out, please try it again later.'

**Transregional Backup Synchronization:**

Transregional backup synchronization service; Create a synchronization service; The selected region is the target region of backup synchronization; Service ID; Source instance; The region where the source instance is located; Database type; status; latest data point; creation time; Each instance can only create a synchronization service; The region where the source instance is located; The source instance; The destination region; Currently supports any time point within 7 days; The storage space shall not be less than the source instance, otherwise the creation may fail