

E-Abyana Backup Setting & Configuration

1) php artisan make:command DatabaseBackup

the above command create file in app\Console\Commands\DatabaseBackup.php

2) Open the DatabaseBackup .php file and modify it as follows:

```
<?php
namespace App\Console\Commands;
use Illuminate\Console\Command;
use Illuminate\Support\Facades\File;
use Carbon\Carbon;

class DatabaseBackup extends Command
{
    /**
     * The name and signature of the console command.
     */
    protected $signature = 'backup:database';

    /**
     * The console command description.
     */
    protected $description = 'Backs up the database and deletes backups older than 10 days';

    /**
     * Execute the console command.
     */
    public function handle()
    {
        // MySQL credentials from .env
        $dbUser = env('DB_USERNAME');
        $dbPass = env('DB_PASSWORD');
        $dbName = env('DB_DATABASE');

        // Backup directory path
        $backupDir = base_path('database_backups');

        // Ensure backup directory exists
        if (!File::exists($backupDir)) {
            File::makeDirectory($backupDir, 0755, true);
        }

        // Generate filename with timestamp
        $date = now()->format('Y-m-d_H-i-s');
        $backupFile = "{$backupDir}/backup_{$date}.sql";
        // Build the mysqldump command
        $command = "mysqldump --no-tablespaces -u{$dbUser} -p\"{$dbPass}\" {$dbName} > {$backupFile}";
        // Execute the command
        exec($command, $output, $returnVar);
        if ($returnVar !== 0) {
            $this->error('Database backup failed. Check credentials or permissions.');
            return;
        }
        $this->info("Backup saved to: {$backupFile}");
    }
}
```

```

// Delete old backups
$this->deleteOldBackups($backupDir);
}
/**
 * Delete backup files older than 10 days
 */
protected function deleteOldBackups($backupDir)
{
    $files = File::allFiles($backupDir);
    $deletedCount = 0;
    foreach ($files as $file) {
        $modifiedTime = Carbon::createFromTimestamp($file->getMTime());

        if (now()->diffInDays($modifiedTime) > 10) {
            File::delete($file);
            $deletedCount++;
        }
    }
    $this->info(" Deleted {$deletedCount} old backup(s) older than 10 days.");
}
}

```

3) Open the app/Console/Kernel.php file

Add this

```

protected function schedule(Schedule $schedule)
{
    // Schedule the database backup to run every hour
    $schedule->command('backup:database')->hourly();
}

```

4) Manual Command to test the code/backup process

php artisan backup:database

5) Add Cron Job to automate the process

```

cd /home/eabyanairrigdc/public_html && /usr/local/bin/php artisan schedule:run >>
/dev/null 2>&1

```

Minute	Hour	Day	Month	Weekday	Command	Actions
*	*	*	*	*	cd /home/eabyanairrigdc/public_html && /usr/local/bin/php artisan schedule:run >> /dev/null 2>&1	Edit Delete
Minute					<input type="text" value="*"/>	
Hour					<input type="text" value="*"/>	
Day					<input type="text" value="*"/>	
Month					<input type="text" value="*"/>	
Weekday					<input type="text" value="*"/>	
-- Common Settings --						
Command <input type="text" value="cd /home/eabyanairrigdc/public_html && /usr/local/bin/php artisan schedule:run >> /dev/null 2>&1"/>						