Part 1: Deployment of the service package using Amazon's Elastic Beanstalk

Part 2: Building a mobile app to call the service

Part 3: Running the app on a mobile device

Part 4: Final tips on using the PROCE55 Player iOS application

Part 1: Deployment of the service package using Amazon's Elastic Beanstalk

🎁 AWS 🗸 Services 🗸 Amazon Web Services	r Edit ▼			Beanstalk application
Compute EC2 Virtual Servers in the Cloud EC2 Container Service Run and Manage Docker Containers Elastic Beanstalk Run and Manage Web Apps Lambda Run Code in Response to Events Storage & Cont	Developer	Tools Commit de in Private Git Repositories Deploy e Code Deployments Pipeline Software using Continuous Delivery ent Tools	Support *	
S3 Scalable Storag CloudFront Global Content Elastic File Fully Managed Glacier Archive Storag	 Flastic Beanstalk My First Elastic Beanstalk All Applications My First Elastic Beanstalk Application 	alk Application 👻	Create New Application Filter by Application Name: Actions -	2
Integrates On-F	myFirstElasticBeans-env			
	Running versions: PROCE55php_6 Last modified: 2015-09-29 13:33:38 UTC+0200 URL: PROCE55php.elasticbeanstalk.com	AWS V Services V Edit V Elastic Beanstalk My First Application Info New Environment	t Elastic Beanstalk Application -	Create New Application
			To create a new application, enter the details of your application. Learn more. Application name: testservice Must be less than 100 characters and cannot contain a / Description: Test service × Optional.	
				Cancel Next

Creating and deployment

Part 1: Deployment of the service package using Amazon's Elastic Beanstalk

Creating and deployment of a testing AWS Elastic Beanstalk application

Flastic Beanstalk My First E	lastic Beanstalk Application • testservice •	Create New Environment	Deanstaik application
Application Info New Environment	New Environment AWS Elastic Beanstalk has two types of environment tier Workers are specialized applications that have a backgro Web Server Environment Provides resources for an AWS Elastic Beanstalk	s to support different types of web applications. Web servers are standard applications that listen for and then process HTTP requests, typically over port 80. und processing task that listens for messages on an Amazon SQS queue. Worker applications post those messages to your application by using HTTP. web server in either a single instance or load-balancing, auto scaling environment. Learn more.	- 1
	AWS Services Edit Edit	astic Beanstalk Application 🔹 testservice 💌	Support *
AWS - Services	New Environment Environment Type Application Version Environment Info Additional Resources Configuration Details Environment Tags Permissions Review Information • • Edit •	Environment Type Choose the platform and type of environment to launch. Predefined configuration: PHP Value Looking for a different platform? Let us know. AWS Elastic Beanstalk will create an environment running PHP 5.6 on 64bit Amazon Linux 2015.03 v2.0.1. Characteristic comment type: Single instance Learn more	nange platform version.
New Environment	nent Type Application Version		
Environment I Additional Re: Configuration Environment Permissions Review Inform	Ino Select a source to your application sources Source: O Sa Details © Up fags C:	version. mple application oad your own (Learn more) PROCE55php.zip Prehľadávať URL (e.g. https://s3.amazonaws.com/s3Bucket/s3Key)	

Part 1: Deployment of the service package using Amazon's Elastic Beanstalk

of a testing AWS Elastic **Beanstalk application** AWS - Services - Edit -Support 🕶 🧜 Elastic Beanstalk 🛛 My First Elastic Beanstalk Application 🝷 🔹 testservice 🝷 Create New Environment New Environment Environment Information Environment Type Application Version Environment Info Enter your environment information. Learn more Additional Resources Environment name: uniqueservicename1234 Configuration Details uniqueservicename1234 Environment URL: .elasticbeanstalk.com Check availability Environment Tags Permissions Description: Optional: 200 character maximum Review Information Cancel Previous Next Services 🗸 🛛 Edit 🗸 AWS 🗸 Support 🕶 🗜 Elastic Beanstalk 🛛 My First Elastic Beanstalk Application 💌 testservice -**Create New Environment** New Environment Additional Resources Environment Type Application Version Environment Info Select additional resources for this environment. Additional Resources Create an RDS DB Instance with this environment Learn more Configuration Details Create this environment inside a VPC Learn more AWS - Services - Edit Elastic Beanstalk My First Elastic Beanstalk Application • testservice • **Create New Environment** Cancel Previous Next New Environment Configuration Details Environment Type Application Version Modify the following settings or click Next to accept the default configuration. Learn more. Environment Info Additional Resources Instance type: t1.micro 💟 Determines the processing power of the servers in your environment. Configuration Details Environment Tags Refresh C EC2 key pair. Select a key pair Permissions Optional: Enables remote login to your instances. Review Information Optional: Get notified about any major changes to your environment. Email address: Health Reporting System type: Enhanced 🔽 Determines the health reporting type. Root Volume (Boot Device) ~ Root volume type: (Container default) Determines the type of storage volume to attach to instances 3 GiB Number of gibilitytes of the root volume attached to each instance. Must be between 10 and 16384 for Provisioned IOPS (SSD) and General Purpose (SSD) root volumes and bet 1024 for other root volumes Cancel Previous Next

Creating and deployment

Part 1: Deployment of the service package using Amazon's Elastic Beanstalk

of a testing AWS Elastic 🚺 AWS 🗸 Services 🗸 Edit 🗸 Sunnort S **Beanstalk application** 🗜 Elastic Beanstalk My First Elastic Beanstalk Application 🝷 🛛 testservice 🝷 **Create New Environment** New Environment Environment Tags Environment Type Application Version You can specify tags (key-value pairs) for your Environment. You can add up to 7 unique key-value pairs for each Environment Environment Info Additional Resources Value (256 characters maximum) Kev (128 characters maximum) Configuration Details Environment Tags 1. Permissions 7 remaining Review Information Next Cancel Previous AWS 🗸 Services 🗸 Edit 🗸 Support 🕶 Flastic Beanstalk My First Elastic Beanstalk Application 🝷 testservice -**Create New Environment** New Environment Permissions Environment Type Application Version Select an instance profile and service role for your AWS Elastic Beanstalk environment. Environment Info Additional Resources An instance profile is an IAM role configured for use with EC2 instances. The instances in your Elastic Beanstalk use the credentials provided by the instance profile to communicate with AWS. Configuration Details A service role allows the Elastic Beanstalk service to monitor environment resources on your behalf. See Roles and Instance Profiles in the Elastic Beanstalk developer guide for details. Application source C:\fakepath\PROCE55php.zip aws-elasticbeanstalk-ec2-role tce profile: Environment Info aws-elasticbeanstalk-serviceervice role: Environment name uniqueservicename1234 Environment URL http://uniqueservicename1234.elasticbeanstalk.com Cancel Previous Next **Configuration Details** Instance type t1,micro Key pair (default) Email address Root volume type (default) (default) Root volume size Root volume IOPS Application health check URL Environment Tags No settings provided. Permissions Service role aws-elasticbeanstalk-service-role 3 Instance profile aws-elasticbeanstalk-ec2-role Cancel Previous Launch

Creating and deployment

Part 1: Deployment of the service package using Amazon's Elastic Beanstalk

AWS - Services - Edit -

Creating and deployment of a testing AWS Elastic Beanstalk application

🧜 Elastic Beanstalk 🛛 My Firs	t Elastic Beanstalk Application 🝷 testservice	• •		
testservice ▸ unique	Info Elastic servicename1234 (uniqueservicename	Beanstalk is r e1234.elastic	x now creating your environment. When it has finished it will be running uniqueservicename1234Version.	Actions -
Dashboard Configuration	Overview			2 Refresh
Logs		Health	Running Version	Configuration
Monitoring		Ok	uniqueservicename1234Version	64bit Amazon Linux 2015.03 v2 0.1 running PHP 5.6
Alarms		Causes	Upload and Deploy	Change
Events				
Tags	Recent Events			Show All
	Time	Туре	Details	
	2015-09-29 16:43:22 UTC+0200	INFO	Successfully launched environment: uniqueservicename1234	
	2015-09-29 16:42:51 UTC+0200	INFO	Environment health has transitioned from Pending to Ok.	
	2015-09-29 16:41:51 UTC+0200	INFO	Added instance [i-6a1b0aaf] to your environment.	
	2015-09-29 16:41:38 UTC+0200	INFO	Waiting for EC2 instances to launch. This may take a few minutes.	
	2015-09-29 16:40:51 UTC+0200	INFO	Environment health has transitioned to Pending. There are no instances.	

Part 1: Deployment of the service package using Amazon's Elastic Beanstalk



- 6	PROCE55 Mobile Modeler [C:\Users\boris\AppData\Roaming\EastGate\Mobile Modeler\Mobile Process\PHP_Service_AWS_ElasticBeanstalk.p55m] - 🗖
File View Support	
Screen: 🗙 s1 🗸 🕂 Element	ent: X Label V + Process name: PHP Service Demo Version: 24 ^ Origin ID: Description: RESTful PHP Amazon Elast Password: EG_DEFAULT Build App QR Code
Label s1_01 Choose the service mode: Table s1_t1	vice execution e service! Count Wice execution Open the 'PHP Service Demo' app using the PROCE55 Mobile Modeler (file name: PHP_Service_AWS_ElasticBeanstalk.p55m). You can download both from PROCE55.com
s1	

	PROCE55 Mobile Modeler [C:\Users\boris\AppData\Roaming\EastGate\Mobile Modeler\Mobile Process\PHP_Service_AWS_ElasticBeanstalk.p55m] – 🗖 🗙				
File View Support					
Screen: X s1 V + Element:	X Label + Process name: PHP Service Demo Version: 24 Origin ID: Description: RESTful PHP Amazon Elast Password: EG_DEFAULT Deploy to Portal Build App QR Code				
	Element variable name: \$1_t1 Hidden <apply< td=""> Clear table definition</apply<>				
Label Choose the service s1_o1 mode:	e execution + Add column Remove column Remove row				
Table s1_t1	Call mode Info Response type XML_HTTP Service will be called using XML_HTTP mode 1				
Button s1_b2 Call the s	JSON Service will be called in JSON mode 2				
Button s1_b1 Qui					
Select the first table on the screen s1 (s1_t1) and examine the table column definition. Table columns have the visible Header text (shown to the user) and the internal system name used as a parameter in action					
s1	sequences (e.g. 'Response type' / resp_type).				

PROCE55 Mobile Mode	eler [C:\Users\boris\AppData\Roaming\EastGate\Mobile Modeler\Mobile Process\PHP_Service_AWS_ElasticBeanstalk.p55m] - 🗖 🗙
File View Support	
Screen: X s1 v + Element: X Label v +	Process name: PHP Service Demo Version: 24 ^ Origin ID: Description: RESTful PHP Amazon Blast Password: EG_DEFAULT Deploy to Portal Build App QR Code
Label s1_01 Choose the service execution mode: Table s1_11	Bement variable name: status Button text: Call the service! Automatic (ump to the target screen) Once the action sequence is completed, we will end up on the target screen (s2 in this case). Ordentic: Service: Default (status = transfer + transfer + transfer = transfer + transfer + transfer + transfer = transfer +
s1_b1 Quit	Condition \${s1_t1[resp_type]}=2
Select the 's1_b2' button and inspect the action sequence	Similarly, the other service will be called if we choose the second option from the s1_t1 table (resp_type=2, which is the JSON response type in this case)

PROCE55 Mobile Mode	ler [C:\Users\boris\AppData\Roaming\EastGate\Mobile Modeler\Mobile Process\PHP_Service_AWS_ElasticBeanstalk.p55m] - 🗆 🗙
File View Support	
Screen: X s1 V + Element: X Label V +	Process name: PHP Service Demo Version: 24 Origin ID: Deploy to Portal Build App QR Code Breaction Description: RESTFul PHP Amazon Elast Password: Image: Comparison of the password: Image: Comparison of the password: Deploy to Portal Build App QR Code Image: Comparison of the password: Image: Comparison o
Label Choose the service execution s1_01 mode:	Element variable name: s1_b2 Button text: Call the service! < Apply
Table Image: State	Target screen: s2 Initialize X Transfer + Service service PHP_AWS Image: Service service Service service Service service VIII. Service PHP_AWS Image: Service service Service service VIII. Image: Service service VIII. Service PHP_AWS VIII. Image: Service service VIIII. Image: Service service VIIIII.
Button s1_b1 Quit	Condition \${s1 t1[resp type]}=2 Farameters: Type Name Value X
	Service PHP_AWS
s1	The service call request (POST body) will contain one parameter (mode) and the response should contain three scalar values (MATNR, TEXT, PHPVER) and a table (TABLE1)

PROCE55 Mobile Modeler [C:\Users\boris\AppData\Roaming\EastGate\Mobile Modeler	r\Mobile Proce	s\PHP_Sen	vice_AWS_ElasticBea	nstalk.p55m]	- 🗆 🗙	
File View Support						
Screen: x s1 + Element: x Label + Process name: PHP Service Demo Version: 24 ^ O Description: RESTful PHP Amazon Elast Password: E E	rigin ID: G_DEFAULT	Deploy to	Portal Build App QR	Code	200555	
Label s1_01 Choose the service execution mode:			This se	rvice request wi using the HTTP	ill be called GET	b
Table Image: Signature of the second dependence of	Service name Service type: URL:	PHP_AWS		Encoding: UTF-8	< Save	
s1_b2 Call the service! Button Quit	UNE.	✓ Ignore certificate errors (HTTPS/TLS)				
	Parameters:	Type Import Export	Name mode MATNR	Value \${s1_t1[mode]} s2_o2	x	
Condition \${s1_t1[resp_type]}=2 Service PHP_AWS		Export Export Export	TEXT PHPVER TABLE1	s2_o4 s2_o5 s2_t1		
			•			
	The ser	vice c	all respons	se should be in J	SON forma	at
s1						

Part 3: Running the app on a mobile device

1. Scan the app QR code Using the 'PROCE55 Player' application on your mobile device 3. The service has returned two tables and two scalar values

5. We have now transferred the selected table values to the last screen (s3). Tap the 'Exit' button.

Part 4: Final tips on using the PROCE55 Player iOS application

You can access all the apps you have imported from portals or QR codes using the 'My Apps' tab

You can also remove apps you no longer need in the list