## COURSEWARE

## SERVICE AUTOMATION FRAMEWORK

## **Courseware**



# Service Automation Foundation Courseware



### Colofon

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**SAF Sample Exam Rationale – APMG** 

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## Agenda

## Agenda for the Course

Please find below a suggested outline of the course program:

## Program Day 1

09:00 - 10:30	Module 1: Introduction to Service Automation
10:30 – 10:45	Coffee Break
10:45 – 12:30	Module 2: The User
12:30 – 13:30	Lunch Break
13:30 – 15:00	Module 3: Service Design
15:00 – 15:15	Tea Break
15:15 – 16:30	Module 4: Technology
16:30 – 17:00	Day 1 Recap and Sample Exam Questions
Program Day 2	
09:00 - 10:30	Module 5: Automated Deployment
10:30 - 10:45	Coffee Break
10:45 – 12:30	Module 6: Service Delivery Automation
12:30 – 13:30	Lunch Break
13:30 – 15:00	Module 7: Serendipity Management
15:00 – 15:15	Tea Break
15:15 – 16:30	Module 8: The Service Automation Foundation Exam
16:30 – 17:00	Course Evaluation



## Introduction

- Let's meet & Goals
- Start and End Times
- Program
- Feedback & Exam



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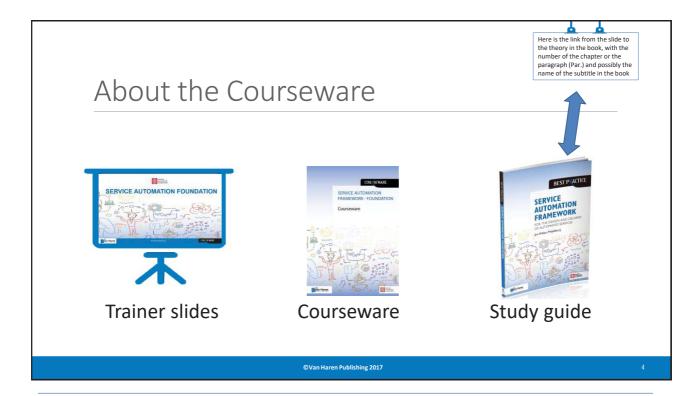
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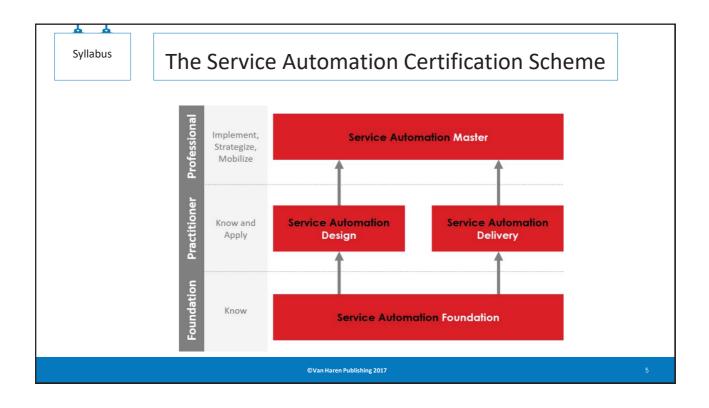
## Take a Moment to Introduce Yourself

- Your name
- Your organization
- Your role
- Your personal objectives for the course
- Your biggest automation challenge

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## 4 Levels of Examination

- **1. Service Automation Foundation:** This entry-level certification tests whether delegates can recall key concepts and terminology of the Service Automation Framework.
- Service Automation Design: This intermediate-level certification tests
  whether delegates can apply the theory of the Service Automation
  framework to design automated services. This certification tests design
  concepts.
- 3. Service Automation Delivery: This intermediate-level certification tests whether delegates can apply the theory of the Service Automation framework to deliver automated services. This certification tests process application.
- **4. Service Automation Master:** This expert-level certification test whether delegates are able to formulate a long-term strategic road map in order to execute a digital strategy based on automated services.

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## **Table of Contents**

This course consists of 8 main modules:

- 1. Introduction to Service Automation Framework
- 2. The User
- 3. Service Design
- 4. Service Automation Technology
- 5. Automated Deployment
- 6. Service Delivery Automation
- 7. Serendipity Management
- 8. The Service Automation Foundation Examination

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## Program

	Day 1	Day 2
09:00 – 10:30	Module 1: Introduction to Service Automation	Module 5: Automated Deployment
10:30 - 10:45	Coffee Break	Coffee Break
10:45 – 12:30	Module 2: The User	Module 6: Service Delivery Automation
12:30 – 13:30	Lunch Break	Lunch Break
13:30 – 15:00	Module 3: Service Design	Module 7: Serendipity Management
15:00 – 15:15	Tea Break	Tea Break
15:15 – 16:30	Module 4 Technology	Module 8: The Service Automation Foundation Exam
16:30 – 17:00	Day 1 Recap and Sample Exam Questions	Course Evaluation

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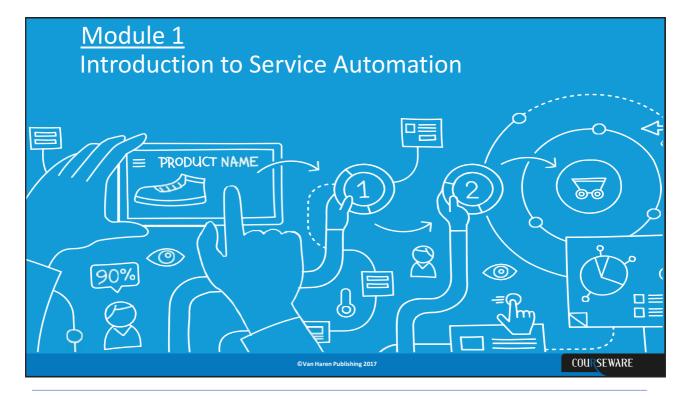
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## **Course Materials**

- Official Text Book VHP: Service Automation
   Framework for the design and delivery of automated services
- **2. Presentation Workbook VHP:** Annotated slide deck with key learning point for the examination
- **3. SAF Syllabus APMG:** Document that outlines the test objectives for the SAF Examination
- **4. SAF Sample Exam APMG:** Test examination with sample questions, similar to the actual exam
- **5. SAF Sample Exam Rationale APMG:** Answers and rationale of the sample examination

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## What is Service Automation?

#### Service automation is:

- 1. The automated delivery of services
- 2. Based on the autonomous requests of users
- 3. Using a (self-service) technology platform to deliver services to end users
- 4. Aimed to an optimal User Experience in order to achieve a competitive advantage.

Service automation is a framework aimed to provide a step-by-step approach to achieve digital transformation.

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# What do all these organizations have in common?











### They deliver services based on the concepts of Service Automation

Disclaimer - Please note that company names have been provided for illustration purposes only.

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## The Rise of the Self Service Generation

A Self Service Generation is coming who are used to their (mobile) interface to connect to the world.

This generation is 'used' to have services available instantly and 24x7.

This groups increasingly uses Apps and Self Service Interfaces to source, procure and manage services.

Can you list key characteristics of the Self Service Generation?

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## Key Business Drivers of Service Automation

- Service Automation facilitates a scalable business model by which companies can enter new markets more easily and attract new customers;
- Service Automation assists companies in making data-driven decisions based on earlier interactions with users and customers. More accurate information provides companies with a competitive advantage;
- Service Automation is user centric. Services are always designed with the objective of providing an optimal user experience;
- 4. The aim of Service Automation is to automate unnecessary manual labor, providing a **more cost-efficient** service delivery organization;
- 5. And last but not least, by breaking down services into easy-to-understand steps, Service Automation provides a framework for consistently **exceeding user expectations**.

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## Definition of Service Automation

"Service Automation is the **practice** of an industry that enables their **autonomous users** to procure, manage and adjust services through **self-service technology** and concepts in order to systematically exceed **user expectations.**"

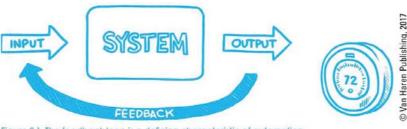
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## Par. 2.1

## What is Automation?

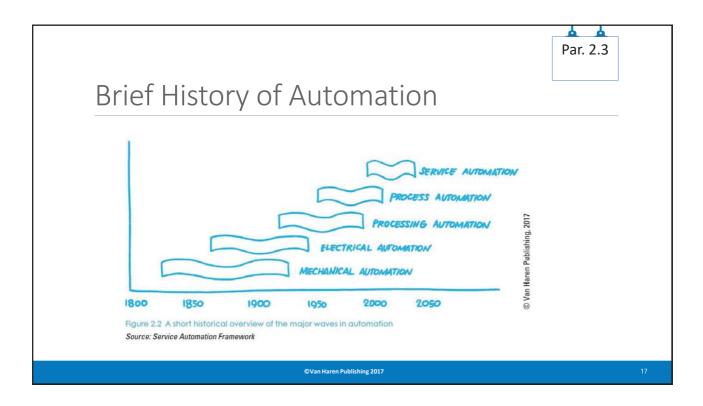
Automation is always characterized by a feedback loop, which provides the possibility to adjust:



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Figure 2.1 The feedback loop is a defining characteristic of automation

Source: Service Automation Framework



## Five Waves of Automation

- Mechanical Automation: Mechanical automation is the ability of structure to adjust to changing conditions.
- Electrical Automation: Electrical automation provides a feedback process through the flow of electric particles
- **3. Processing Automation:** With the invention of computer chips, systems have the ability to program feedback loops into computer code
- **4. Process Automation:** Software systems can make autonomous adjustments in processes based on process automation.
- 5. Service Automation: Service Automation provides user the ability to obtain services through automated platforms.

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## Key Concepts in Service Automation

Key terms and definitions in Service Delivery:

- 1. The definition of a service
- 2. The Service Concept
- 3. Service Push vs. Service Pull

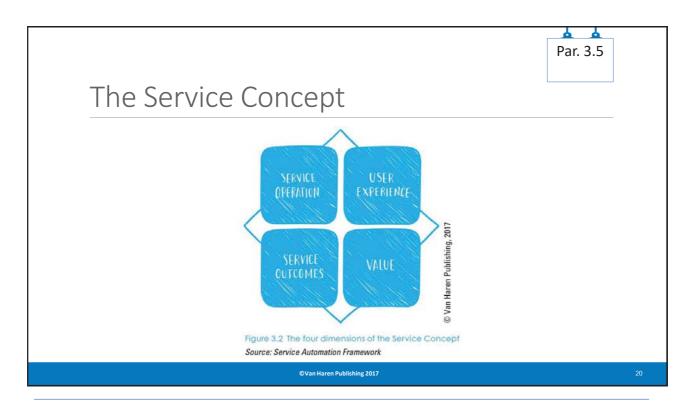
Key terms and definitions in Service Automation:

- 1. Service Automation Framework
- 2. Service Automation Framework Implementation Approach
- 3. Service Automation Techniques



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# The Four Elements of the Service Concept

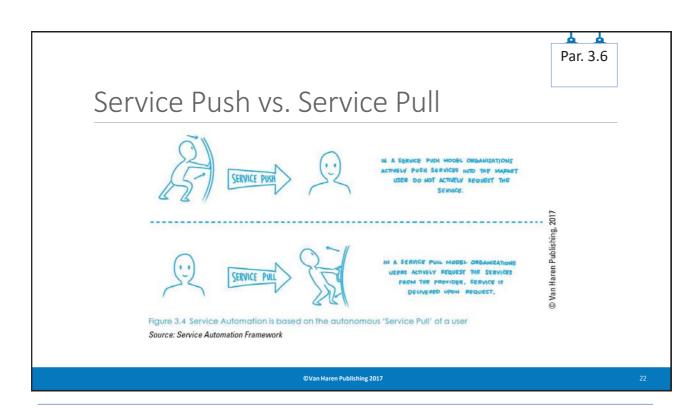
The service concept consists of the holistic combination (i.e. all element should be considered equally) of four dimensions:

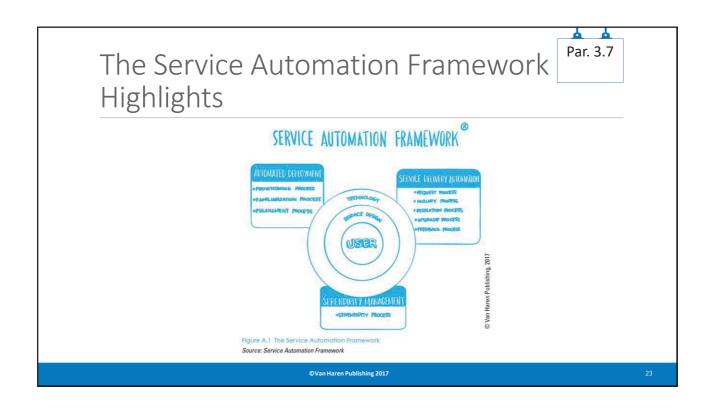
- 1. Service operation: the way in which the service is delivered
- 2. User experience: the user's direct experience of the service
- 3. Service outcome: the benefits and results of the service for the user
- **4. Value:** the benefits the user perceives as inherent in the service, weighed against the cost of the service.

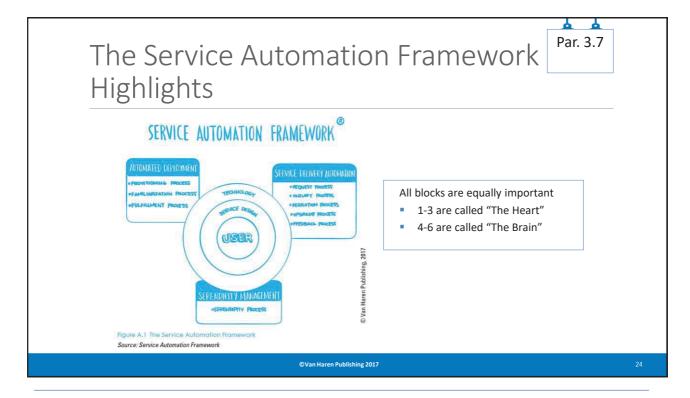
The Service Concept serves as an overarching directive to all other services and provides a service provider with its corporate identity

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# The Service Automation Framework Building Blocks

The Service Automation Framework consists of 6 major building blocks:

- User: The building block that defines the key characteristics of the groups of people a service provider aims to serve;
- Service Design: The business function that designs and defines the service offering of a service provider.
- **3. Technology:** The building block that defines the setup and usability of the digital interfaces, connecting service providers with their users;
- Automated Deployment: The processes that enable a user to start using a service based on his or her own action;
- Service Delivery Automation: The processes that enable a user to change or resolve any aspect of the service based on his or her own action;
- Serendipity Management: The processes that facilitate a planned and continuous approach in order to constantly exceed the expectations of users.

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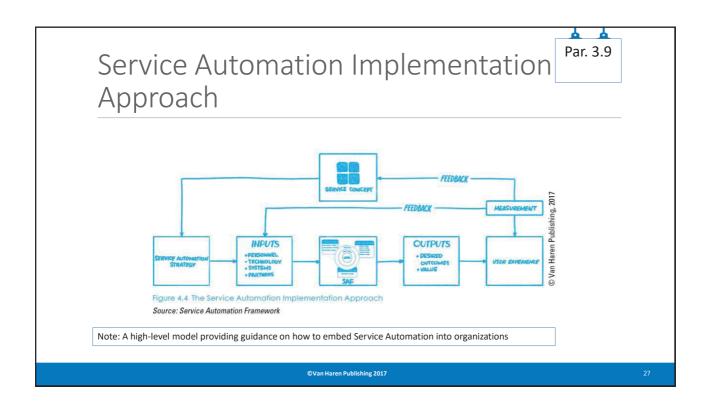
## The Heart vs. the Brains

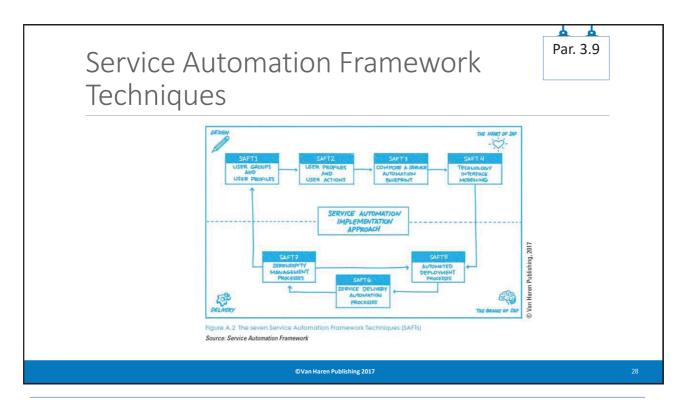
The Service Automation Framework can be divided into two important sections:

Dimension	The heart	The brains
Objective	Design	Delivery, support and improve
Domain focus	Design elements	Processes
Building blocks	<ul><li>Users</li><li>Service Design</li><li>Technology</li></ul>	<ul><li>Automated Deployment</li><li>Service Delivery Automation</li><li>Serendipity Management</li></ul>
People	Creative	Controlling

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# The Service Automation Framework Techniques

- 1. Practical templates and tools you can use to deliver automated services
- 2. Should be used in sequence (step 1 step 7)
- 3. Makes the theory from the Service Automation Framework practical to use.
- 4. Free templates and guide lines are provided to make it practical.

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# Service Automation in Practice: People Involved

**Service Innovation Team** 

Architects

Software developers

**Business Consultants** 

Service Designers

**Agile Practitioners** 

Senior Managers

**Service Delivery Team** 

**Process Consultants** 

**Project Managers** 

Service Delivery Managers

Service Support and Operations

Service Managers

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