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SAP Certified Application Associate — Supplier Relationship Management with SAP SRM 5.0
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Chapter 2
SRM Courses and Experience

Techniques You’ll Master:

- Training courses available for SAP SRM
- Online knowledge products available for SAP SRM
- The level of experience expected and how it is acquired
- Insight into additional information sources to help you prepare for the exam
You should have a good understanding of the different levels of certification offered for SAP SRM. We’ve covered the definitions and defined the different levels in terms of expectations and capabilities in previous chapters. In this chapter, we’ll cover the courses available for SAP SRM and provide you with some insight into what you can expect for the certification exams. It’s important for you to understand that a two-prong approach is needed for success in certification, regardless of certification level. The approach must consist of factual concepts realized in training combined with real-world application with hands-on experience.

**SAP SRM Training Courses**

SAP Education offers several training classes that create a foundation for any SRM professional seeking certification. The training classes give you the ability to cover concepts, and many also allow you to carry out exercises to apply those concepts. Let’s review the current SAP SRM training courses available:

- **SAP Overview (SAP01)**
  Intended for those new to SAP. The course gives an overview of SAP solutions and introduces you to SAP terminology.

- **SAP Procure-to-Pay (SAP210)**
  Intended for those new to SAP. The course gives you foundational understanding of procurement concepts and processing in SAP.

- **SAP SRM E-Sourcing Overview**
  Intended for those new to SAP E-Sourcing. The course gives a detailed view of SAP E-Sourcing and its functionality.

- **SAP SRM Overview (SAPSRM)**
  Intended for those new to SAP SRM. The course presents an overview of the SAP SRM solution, components, and functionality.

- **SAP SRM Configuration (SRM210)**
  Intended for users who will set up SAP SRM systems. The course covers details required to configure an SAP SRM system and allows you to carry out hands-on configuration.

- **SAP SRM CCM (SRM260)**
  Intended for users implementing SAP Catalog Content Management (CCM). The course reviews the SAP CCM landscape, integration, and setup to work with SAP SRM.
**SAP SRM-MDM Catalog (SRM270)**

Intended for user who will set up the SRM master data management (SRM-MDM) catalog. The course reviews the components, setup, and maintenance required to manage internal catalogs.

In addition to classroom training courses, SAP Education offers classes with all of the materials available online and accessed at your own pace. These are called Online Knowledge Products (OKPs), and the lesson maps are often divided by role. For example, a learning map may be for a solution or technical role. These are often used for delta functionality lessons between the different versions. You may think the older versions are not valid for you, but these OKPs often have very helpful information. If we had to select only one, then of course we would recommend the one for SAP SRM 5.0. The current OKP courses available at the time of writing this book include:

- **OKP SRM 3.0 (OSR30S)**
  Delta functionality and knowledge base for SAP SRM 3.0.

- **OKP SRM 4.0 (OSR40S)**
  Delta functionality and knowledge base for SAP SRM 4.0.

- **OKP SRM 5.0 (OSR50S)**
  Delta functionality and knowledge base for SAP SRM 5.0.

- **OKP SRM 6.0 (OSR60S)**
  Delta functionality and knowledge base for SAP SRM 6.0.

- **OKP E-Sourcing 4.2 (OES42)**
  Delta functionality and knowledge base for SAP E-Sourcing 4.2.

**Note**

SAP SRM 6.0 had a limited release and was not available to all customers. Some functionality developed for SAP SRM 6.0 will carry over to the next planned general release, SAP SRM 7.0, when it’s available.

We've covered the training curriculum offered by SAP Education, and as you can see, several exist if you need to sharpen your skills in any of the areas available. Training is only one input into the certification exams; level of experience is just as important, especially for the professional level and above. We’ll cover some insights into the level of experience in the next section.
Experience Expectation

You can participate in the training courses and have the concepts down, but you still need to apply these to be successful at certification. The Associate level exam primarily covers training content, but it also includes application of concepts realized via experience. Figure 2.1 illustrates the sequence of the different levels and summarizes the target experience for each level.

The expected experience includes exposure to the different components of SAP SRM in different implementation cycles. As you begin your SAP SRM journey, you typically focus in a single area, such as SAP Enterprise Buyer (EB) self-service procurement. You may participate in different parts of the implementation cycle.
such as blueprint or realization, but you don’t benefit from a full lifecycle implementation yet. As you become more experienced, you are involved with more SAP SRM components and exposed to more lifecycle stages. Eventually, you will rack up the full lifecycle experience. This is important because you see the complete view from design to go live. Eventually, you’ll have seen and done it many times, to the point where you can strategize and recommend solutions to complex issues. You move up the path shown in Figure 2.1.

**Tip**

It is important, regardless of your level of expertise, that you stay current on different versions. This is why the recertification process is so important. Once certified, you need to continue to hone your skills relating to SAP SRM.

### Additional Sources of Information

This certification success guide covers the key concepts and acts as a refresher for you to prepare for the exams. It’s not an exhaustive list of all the information covered in the exams, so in this section we’ll try to give you additional sources outside of training that can help you prepare for the exam.

- **SAP Help**
  
  This sounds simple enough. How many times have you been told or told someone else to check out SAP Help? Well, it’s still valid. You can access SAP Help via [http://help.sap.com](http://help.sap.com). There are no quick links, but drill down via SAP BUSINESS SUITE • SRM and select the applicable version.

- **SAP Development Network (SDN)**
  
  The SDN is a community of users across SAP solutions. It includes blogs, white papers, discussion boards, and a host of information. This is a good resource for problem solving and preparing for the exam, especially for topics you are less familiar with. You can access the SDN via [https://www.sdn.sap.com/irj/sdn](https://www.sdn.sap.com/irj/sdn).

- **SAP Service Marketplace**
  
  The SAP Service Marketplace is a vast knowledge resource with information available in many different areas for SAP SRM from install guides to scenario guides to support notes. The Service Marketplace requires IDs to access this information, but all SAP customers and partners have access to this resource. You can access the Service Marketplace via [http://service.sap.com](http://service.sap.com).
Chapter 2  SRM Courses and Experience

- **SAP Education Certification**
  This is the formal location of resource information related to SAP certification. You can find sample questions and exam breakdowns here. You can also register to take the exam from this site. You can access this resource via [http://www.sap.com/certification](http://www.sap.com/certification).

- **SAP Press**
  SAP PRESS has several other SAP books that have useful information on different themes or organizations, such as *The Consultant’s Guide to SAP SRM*. These books can be found at [www.sap-press.com](http://www.sap-press.com).

**Summary**

In this chapter, we’ve explained the different training courses available for SAP SRM from SAP Education. We’ve also covered the experience expectations for you at each certification level. The classroom training and the online knowledge products are invaluable for certification, but as you move up the certification levels, the real-world project experience you need in order to pass the exam increases. To help you prepare for the exam, we have also listed additional resources for SAP SRM information. The information from this success guide combined with these resources should cover any SAP SRM topic. The next chapter begins the second part of the book, where we’ll dive into the key concepts of the different exam topics. Let’s get started.
Part II
Exam Preparation
Chapter 3
SAP SRM Implementation Scenarios and ERP Integration

Techniques You’ll Master:

- Classic, extended classic, and stand-alone implementation scenarios
- Document flow for each SAP SRM implementation scenario
- Implementation scenario determination criteria
- RFC, ALE, and XML communication method basics
- OCI, OPI, and ITS communication methods and their uses
- BAPI® abstraction layer communication and its components
As you may know, a company’s software landscape is normally heterogeneous and contains many different systems to support its business. You can integrate SAP SRM with SAP and non-SAP systems based on different implementation options, allowing for flexibility in your company’s business process. When you implement SAP SRM, the integration scenarios impact functionality and how the system functions overall.

Typically, the most common difference referenced between SAP SRM implementation scenarios is where the leading purchase order resides, such as in the SAP SRM system or the backend enterprise resource planning (ERP) system. Although this is the primary difference from an abstract view, the integration scenario can impact many different aspects, from source-of-supply determination to master data synchronization.

The implementation scenario is typically one of the first decisions you must make during an SAP SRM implementation. There are driving factors that can be considered, but only in conjunction with your customer’s specific business requirements. This chapter reviews the following implementation scenarios:

- **Stand-alone scenario**
  All procurement documents are created locally in the SAP SRM system. SAP SRM is the leading system for procurement documents.

- **Classic scenario**
  The shopping cart is created locally, but the backend ERP system is the leading system where follow-up procurement documents such as purchase orders are created.

- **Extended classic scenario**
  The shopping cart is created locally and must be complete before a copy of the purchase order is transferred to the backend ERP system. SAP SRM is the leading system.

- **Decoupled**
  This isn’t officially a scenario. It’s essentially a hybrid of the other three scenarios, for example, when classic and standalone exist at the same time.

Regardless of the implementation scenario, SAP SRM must integrate into a backend system. Some scenarios have more integration points than others, but even the stand-alone scenario requires a financial or accounting backend system because SAP SRM itself does not carry out the functions of a financial system.

Because SAP SRM requires integration into different systems, it must establish a common set of integration points. It’s well known that SAP offers several com-
munication methods, including Application Link Enabling (ALE), Remote Function Call (RFC), Extensible Markup Language (XML), and Business Programming Application Interface (BAPI). You’ll use all of these methods in SAP SRM depending on the context of the business process and data being transmitted. It’s important to understand the integration methods and how SAP SRM uses them.

Real-World Scenario

You’re starting a new project as an SAP SRM Associate supporting your client’s sourcing process. Your client is planning on improving their procurement process powered by SAP SRM. You attended the first blueprint kick-off meeting last week, and you and your team are getting organized to begin the project. The client is excited after seeing the great sales presentations about functionality that and how SAP SRM will benefit their processes.

Everyone understands that their team’s initial tasks during the blueprint phase pertain to requirement gathering and defining current processes. You assist where needed. As the legacy processes and systems are defined, you begin to be asked questions about how SAP SRM functionality works for different scenarios. You’re unable to answer the questions satisfactorily because you must preface each answer with the statement, “It depends on the implementation scenario.” You then explain each case.

The solution is to evaluate the information you currently have regarding your client’s scope and context for existing systems and processes. A big clue, for example, is if they already have an established SAP procurement system using SAP Materials Management. You should also cross-reference the main value-driver and requirements for the project to develop a decision matrix on which implementation scenarios best fits their need. Requirements may point to different scenarios, but you must make a decision before you can move forward from the blueprint phase.

Objectives of this Portion of the Test

This section of the exam tests your knowledge of the implementation scenarios and the SAP SRM integration points with an ERP system. The objectives are for you to be able to:
Chapter 3  SAP SRM Implementation Scenarios and ERP Integration

- Understand the possible implementation options available in SAP SRM
- Explain the major considerations when selecting an implementation scenario
- Explain the different integration points between SAP SRM and an ERP system

Key Concept Refresher

This section contains the actual refresher content, and is broken down into topic areas. We’ll list the key concepts that the exam will require you to know for this chapter content. You’ll learn concepts, terminology, and definitions for each topic area. At the end of this section, we’ll summarize important terminology and key definitions as a refresher, rather than reviewing each topic area.

Stand-Alone Scenario

The stand-alone system is typically what you would consider when the customer has not implemented the Materials Management component in their SAP ERP system, and wants all procurement processing conducted in SAP SRM. You must connect SAP SRM to a backend system for the accounting and postings related to the vendor invoices entered in SAP SRM. When you implement the stand-alone scenario, SAP SRM is the leading system where the purchase order resides, so this is where buyers conduct their work. The major integration points to the backend system relate to master data, financial data, and invoice posting. The stand-alone scenario is determined based on product category configuration. If you require other criteria for control beyond a product category, then a BAdI must be used.

Tip

With SAP Supplier Self-Services (SUS), you have complete supplier involvement in the stand-alone scenario for all of your operational procurement scenarios.

This scenario, and all scenarios described, will be discussed in terms of the main procurement documents, such as the shopping cart, purchase requisition, purchase order, confirmation, and invoice.

In the stand-alone scenario, product masters and vendors must exist in SAP SRM. This is common to all scenarios, but the sources of supplies that are considered
are also local to SAP SRM and include local contracts and product interlinkages. An interlinkage is a relationship in SAP SRM between a vendor and a product used to specify a price.

The steps in the common stand-alone process are explained as follows and illustrated in Figure 3.1.

1. A shopping cart is created.
2. Source determination occurs locally in SAP SRM.
3. The approval process takes place in SAP SRM.
4. After approval, the purchase order is either complete or must be processed by the buyer until it is complete.
5. Once the purchase order is complete, a financial commitment posting is made in the backend. The purchase order is sent to the vendor from the SAP SRM system.
6. The confirmation is entered directly in SAP SRM.
7. The invoice is entered directly in SAP SRM and results in the financial posting in the financial backend.

Figure 3.1 Stand-Alone Scenario
Classic Scenario

The classic scenario is what you would typically consider for customers who have already implemented the Materials Management component in their backend SAP ERP system. This scenario relies strongly on the SAP ERP backend system because all Materials Management documents (such as purchase orders, goods receipts, service entry sheets, and invoices) are located there. The leading procurement system is the SAP ERP backend. The majority of the buyer’s work, such as processing purchase orders, will be done in SAP ERP. This option is popular among experienced SAP customers who are adding SAP SRM after an SAP ERP implementation that has already been completed. The classic scenario is determined based on product category configuration. If you require other criteria for control beyond a product category, then a BAdl must be used.

If the customer already has an established SAP ERP backend and does not want to transition their procurement processes to a new system, the classic scenario becomes more plausible because they can leverage their existing process.

You may also consider if the customer wants to leverage existing technical interfaces or infrastructure for activities related only to SAP ERP. For example, if a customer has complex electronic data interchange and data exchange set up in their SAP ERP system, then you’ll have to consider these during the scenario evaluation.

Caution

Only partial functionality is available with SAP SUS in the classic scenario. Business scenarios for buying materials are supported, but services are not supported for the full service procurement scenario.

The steps in the common classic scenario process are described as follows and illustrated in Figure 3.2.

1. A shopping cart is created.
2. Source determination may be done in SAP SRM via catalogs or remotely based on data in the backend ERP system, such as purchasing information records or ERP contracts.
3. The approval process for shopping carts takes place in SAP SRM.
4. After approval, the follow-up document is created. The follow-up document can be a purchase requisition, purchase order, or even a reservation in the backend ERP system based on the customizing setup.
5. Once the purchase order is created either directly or after a purchase requisition is converted, it is sent to the vendor from the ERP system.

6. The confirmation can be entered directly in SAP SRM or the ERP system. Either way, the goods receipt document (material document) will exist in the backend ERP system.

7. The invoice can be entered directly in SAP SRM or the ERP system. Either way, the invoice receipt document (invoice document) will exist in the backend ERP system.

---

**Extended Classic Scenario**

The extended classic scenario is an extension of the classic scenario, and is geared toward customers who want to leverage their ERP backend system and take advantage of SAP SRM procurement functionality. In the extended classic scenario, the procurement process takes place locally in SAP SRM, and the resulting purchase order is replicated to the backend system. You may consider this scenario for customers who want to take advantage of the sourcing capabilities in
SAP SRM and at the same time want to leverage the direct material capabilities in the backend ERP system. You activate the extended classic scenario in customizing, which results in all items following this scenario. If you want certain items to follow the extended classic scenario, then a BAdI must be used as described in the next section, Decoupled Scenario.

If the data in the shopping cart is not complete, it must be completed manually in SAP SRM before it’s transferred to the backend system as a purchase order. The purchase order in SAP SRM is the leading purchase order. The complete purchase order is replicated to the backend as a read-only copy, and then it provides the data needed for the creation of goods receipts, service entry sheets, and invoices in the backend system. Similar to the classic scenario, the goods or service receipt can be done in either SAP SRM or the backend ERP system.

Caution

With SAP SUS, you have partial supplier involvement for your operational procurement scenarios. For the extended classic scenario, you have supplier involvement for the purchase order and the purchase order response. See SAP Note 543544 for more information.

The steps in the common extended classic scenario process are listed below and shown in Figure 3.3.

1. A shopping cart is created.
2. Source determination occurs locally in SAP SRM.
3. The approval process takes place in SAP SRM.
4. After approval, the purchase order is created locally in SAP SRM. If the data in the purchase order is not complete, it must be completed manually in SAP SRM before a copy is transferred to the backend system. Once the purchase order is complete, it’s sent to the vendor from the SAP SRM system.
5. The confirmation can be entered directly in SAP SRM or the ERP system. Either way, the goods receipt document (material document) will exist in the backend ERP system.
6. The invoice can be entered directly in SAP SRM or the ERP system. Either way, the invoice receipt document (invoice document) will exist in the backend ERP system.
Decoupled Scenario

The decoupled scenario is not officially a scenario like the classic, extended classic, and stand-alone scenarios. The decoupled scenario represents a hybrid implementation of more than one scenario. This is common if some materials are to be purchased one way and others a different way. For example, you may have implemented the classic scenario but want to add Pcard functionality. Because SAP SRM 5.0 only supports Pcard in the stand-alone scenario, you can select some commodities such as office supplies to follow the stand-alone scenario while the others continue to follow the classic scenario. Other examples include the difference in services versus nonservices.

Usually, the previous scenarios apply here, but depending on the setup they can occur at the same time. The conditional logic for the classic and standalone scenarios is based on the product category. For example, product category A can be executed in the stand-alone scenario, whereas product category B is executed in the classic scenario, as shown in Figure 3.4.
Note

Product category is generally used as the deciding factor for the decoupled scenario, but a BAdI, BBP_DETERMINE_LOGYS, exists to implement customer-specific rules.

Figure 3.4  Decoupled Scenario

Tip

SAP ERP 6.0 as a backend provides a SRM ERP with one client installation. The one client targets customers who do not currently use an SAP SRM and only have one backend SAP ERP system. The goal is to have a simple procurement scenario, minimum SAP SRM installation, and lower total cost of ownership. Differences exist related to master data and processes including limitations. For more details, you can reference SAP Note 963000.
SAP SRM and ERP Integration

The previous sections have explained the different implementation scenarios and described different points where communication occurs between SAP SRM and the SAP or non-SAP ERP backend. In this section, we’ll discuss the details for the actual communication methods and point out the key concepts you must understand for the exam.

SAP SRM integration is a direct result of procurement processes being carried out across multiple systems. Each time a task is processed in SAP SRM that requires ERP or backend interaction, communication is needed between the systems. The integration points can be classified in the following main categories:

- **Master data**
  - Includes master data that is replicated from connected backend systems such as vendor or product masters.

- **Configuration elements**
  - Includes configuration elements such as purchasing groups or general ledger accounts that refer to data in a connected backend system.

- **Transactional data**
  - Includes data or processes carried out via a transaction such as a purchase order or shopping cart.

SAP Enterprise Buyer can connect to multiple ERP backend systems. This is very useful for companies that are looking for purchasing functions to cross multiple procurement systems. SAP SRM can communicate and coordinate across various instances. The communication methods that make this possible can be classified in the following categories:

- **Application Link Enabling (ALE)**
  - Communication between logical systems that can be SAP or non-SAP. ALE is based on distribution models exchanging intermediate documents (IDocs). An IDoc is essentially a specific data file that both systems know how to interpret. Many IDoc types exist, but in SAP SRM you’ll mostly see the following:
    - BBPIV — SRM invoice
    - BBPCO — Commitment posting
    - MBGMCR — Posting of goods movement
    - HRMD_ABA — HR organization plan data
    - ACLPAY — Accounting postings related to procurement cards
Chapter 3  SAP SRM Implementation Scenarios and ERP Integration

- **ACC_GOODS_MOVEMENT** — Post goods movement used with procurement cards

- **Remote Function Call (RFC)**
  Communication when one system calls a function module in a partner system. The call results are passed back to the calling system. Too many function modules exist to list, but this is the primary communication method. Even ALE at its core uses an inbound and outbound RFC call to post the IDocs.

- **Extensible Markup Language (XML)**
  Web Service communication that can be used to exchange information. XML messages typically require SAP NetWeaver® Process Integration (PI) or middleware layer.
  The following documents in SAP SRM can be sent via XML:
  - Purchase order and purchase order response
  - Confirmation and confirmation response
  - Invoice and invoice response
  - Bid invitation and bid response

Other communication methods exist that differ from RFC, ALE, and XML because they are focused on a specific function within SAP SRM, whereas the others are generic communication methods across connected backends. They are still communication protocols and are included for reference so you can understand the integration points available. Details are listed below including their particular function:

- **Open Catalog Interface (OCI)**
  Communication between SAP Enterprise Buyer and internal or external catalog systems. OCI enables products and services to be transferred from SAP catalogs such as SRM-MDM and SAP CCM or any third party OCI-enabled catalog.

- **Open Partner Interface (OPI)**
  Communication method that allows vendor data to be passed in a similar fashion as the OCI catalog data back to SAP SRM for strategic procurement.

- **Internet Transaction Server (ITS)**
  Converts SAP GUI to HTML format via templates to enable Internet users to access transaction and functionality.
The different communication methods demonstrate the architectural flexibility between SAP and non-SAP systems. The communication methods are illustrated in Figure 3.5.

**Figure 3.5 Communication Methods**

ALE, RFC, and XML can call different BAPIs depending on the release level of the backend system. The abstraction layer encapsulates the BAPI calls in the backend system by using the following components:

- **Dispatcher**
  The dispatcher is a function module that analyzes the customizing settings and knows the backend system type and release, and determines the function module that should be called.

- **Driver**
  For each release level, there is a driver module that calls BAPIs in the backend system.

- **Spooler**
  The spooler controls the transfer of documents from SAP SRM to the backend system. If an error occurs, the spooler checks the backend and tries to resend the information at regular intervals based on customizing settings.
The overall process for the dispatcher, driver, and spooler is shown in Figure 3.6.

**Figure 3.6 Abstraction Layer**

Several standard background jobs exist for SAP SRM, and many offer integration between SAP SRM and the backend ERP systems. You must set the programs to run at regular intervals. You should be familiar with these common background jobs that follow:

- **BBP_GET_STATUS_2**
  This program updates shopping carts to ensure that backend purchase requisitions, purchase orders, and reservations are up to date. You should schedule this report at least daily in SRM EBP.

- **CLEAN_REQREQ_UP**
  This program updates documents asynchronously in the backend systems. You can only process a shopping cart further after the update from this job has taken place. For example, it updates the cart with the follow-up document purchase requisition or purchase order information. You should schedule this report at least daily in SRM EBP.

- **RSPPRPROCESS**
  This report is used to transfer your purchase orders to the vendors, and should be run at regular intervals. This report is also used to send notifications to suppliers during bid invitations and auctions.
Important Terminology and Definitions to Remember

This section is meant for you to refer back to for important definitions and terminology. Definitions appear throughout the chapter, but this is a review to highlight key definitions relevant to this chapter with the highest probability of being in the exam. You’ll find this useful when doing a quick review of the chapter.

- **Stand-alone scenario**
  SAP SRM is the leading procurement system, where all procurement documents are created locally.

- **Classic scenario**
  SAP SRM shopping carts are created in SAP SRM, but the ERP system is the leading procurement system, where the purchase order resides.

- **Extended classic scenario**
  SAP SRM is the leading procurement system, and the purchase order resides in SAP SRM. A read-only copy is sent to the backend ERP system.

- **Decoupled scenario**
  The decoupled scenario represents a hybrid implementation of more than one scenario such as classic, extended, or standalone.

- **Abstraction layer**
  A feature that allows SAP SRM to communicate to multiple backends. By leveraging the dispatcher, it can call software–version-specific driver function modules. It allows encapsulation of BAPI calls.

- **Internet Transaction Server (ITS)**
  Converts SAP GUI to HTML format via templates to enable Internet users to access transactions and functionality.

- **Application Link Enabling (ALE)**
  Communication between logical systems that can be SAP or non-SAP. ALE is based on distribution models exchanging IDocs.
Remote Function Call (RFC)
Communication when one system calls a function module in a partner system.

Open Partner Interface (OPI)
Communication method that allows vendor data to be passed in a similar fashion as the OCI catalog data back to SAP SRM for strategic procurement.

CLEAN_REQREQ_UP
Standard batch job used to update shopping cart status such as follow-up documents so carts can be processed further.

BBP_GET_STATUS_2
Standard batch job that goes hand-in-hand with CLEAN_REQREQ_UP. The job ensures that the shopping cart is current.

Practice Questions
We've reviewed the SAP SRM implementation scenarios along with the different integration points between SAP SRM and ERP systems. In this section, we'll provide test questions that mirror the actual certification exam format. As a reminder, these questions focus on the content discussed in this chapter. This allows you to see how the exam frames questions and gives you actual exposure to the process.

Note
The content of the practice questions focuses on content covered in each chapter. It's important to note that other subjects or information directly related may be used on the exam. The content discussed is a refresher of main points, but is not an exhaustive list.

Review each question and use it as practice for the exam. Attempt to answer the questions before checking the answers.

1. A prospective customer is doing research for procurement capabilities and wants to implement a standard SAP SRM system. The customer asks you to explain the implementation scenarios.
   Which statements concerning implementation scenarios are correct?
   There are three correct answers to this question.
**Practice Questions**

**Chapter 3**

1. **A.** The decoupled scenario requires purchase order output from both SAP SRM and the connected backend ERP system.
   
**B.** The classic scenario results in a goods receipt posting in the ERP backend regardless if it was entered in SAP SRM or SAP ERP.
   
**C.** The extended classic scenario does not fully support confirmation and invoices in SAP SUS without consulting support.
   
**D.** The extended classic scenario possible sources of supply include purchasing info records and contracts.

2. A customer has already implemented SAP SRM 5.0 extended classic scenario and decides to expand SAP SRM to use its standard procurement card (Pcard) functionality for some vendor catalogs. What impact does the Pcard functionality have in relation to the customer's implementation scenario for SAP SRM 5.0?

There are two correct options.

**A.** There is no impact to the implementation scenario because the extended classic scenario supports Pcard because the leading purchase order resides in SAP SRM.

**B.** Pcard functionality is not supported in the extended classic scenario, so the customer must change to the standalone scenario for all procurement.

**C.** The implementation scenario should be changed to incorporate a hybrid decoupled scenario.

**D.** The product category or business add-in must be used to control Pcard orders to be SAP SRM local orders only.

3. A shopping cart is created in SAP SRM, but an error occurs during the transfer of the cart to the ERP backend. How does the abstraction layer in SAP SRM handle the transfer to the ERP backend?

**A.** An intermediate document (IDoc) will have an error status and will need to be reprocessed after the error is resolved via a transaction.

**B.** The spooler will check the backend and resend the shopping cart at regular intervals based on customizing.
C. The driver function module will make a single call to transfer the shopping cart, and then manual intervention is required.

D. The dispatcher will queue the shopping cart and reprocess the transfer to the backend via scheduled batch job.

Practice Question Answers and Explanations

For each practice question in this chapter, this section gives the answer and explains why the answer is correct.

1. Correct answer: A, B, C
   - Answer A is correct because by definition the decoupled scenario involves leading purchase orders residing in SAP SRM and in the backend ERP system. The purchase order output occurs in the leading procurement system such as SAP SRM and SAP ERP.
   - Answer B is correct because you can pre-enter a confirmation in SAP SRM or enter goods receipts in the ERP backend, but either way they result in a goods receipt in the connected ERP system.
   - Answer C is correct because SAP SUS limitations exist with the extended classic scenario. Only the purchase order and purchase order response are standard with extended classic integration with SAP SUS.
   - Answer D is incorrect because the extended classic scenario does not support purchasing info records as a source of supply.

2. Correct answer: C, D
   - Answers C and D are correct because the customer is already established with an implementation and does not have to change their complete implementation scenario (which is a large undertaking), but rather has to identify when it makes sense to use Pcard. They can then change to the decoupled scenario and control the logic with the product category configuration, or if that’s not sufficient, use a BAdI to implement custom logic.
   - Answer A is incorrect because Pcard functionality is only supported in the stand-alone scenario for SAP SRM 5.0.
   - Answer B is incorrect because it states that only one scenario can be implemented, and it suggests that the customer must change all procurement to the stand-alone scenario, which is incorrect.
3. Correct Answer: B
   - Answer B is correct because the spooler is used as the queue for carts. The spooler tries to contact the connected backend at regular intervals to retransfer the shopping cart.
   - Answer A is incorrect because IDocs aren’t used during creation of shopping cart follow-up documents.
   - Answer C is incorrect because the driver function module calls the spooler and then passes control to transfer the cart to the backend based on customizing settings.
   - Answer D is incorrect because the follow-up document transfer does not occur via a scheduled background job.

Take Away

The practice questions presented in this chapter underscore a portion of the concepts that have been explained. This section summarizes the take-away points represented in the practice questions.

The key take-away points from the practice questions in this chapter are listed in Table 3.1.

<table>
<thead>
<tr>
<th>Key Concept</th>
<th>Definition</th>
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</table>
| Scenario-dependent document output | - The decoupled scenario results in a subset of purchase orders (POs) in SAP SRM and a subset of POs in the connected ERP system. By definition, the PO can only be output in the leading system.  
  - For standalone and extended classic scenarios, the PO is output from SAP SRM.  
  - For the classic scenario, the PO is output from SAP ERP. |

Table 3.1 Key Concepts Refresher
### Key Concept

<table>
<thead>
<tr>
<th>Key Concept</th>
<th>Definition</th>
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</table>
| Scenario-dependent source determination | - The classic scenario is the only one that allows info records to be part of source determination.  
- The classic scenario allows both purchasing information records and ERP contracts.  
- Both the stand-alone and extended classic scenarios reference local contracts and interlinkages as sources of supply. |
| Scenario-dependent good receipt entry | - For the classic and extended classic scenarios, a receipt can be entered in Transaction MIGO in SAP ERP or entered in SAP SRM.  
- If a receipt is entered in SAP SRM or SAP ERP for the classic or extended classic scenarios, it always results in the goods receipt posting existing in the backend ERP system.  
- For the stand-alone scenario, receipts are entered in SAP SRM only. |
| Scenario integration limitations with SAP SUS | - For the extended classic scenario, only POs and PO responses are supported with limitations on confirmations and invoices.  
- For the classic scenario, the service procurement scenario is not fully supported. |
| Follow-up document creation | - Follow-up documents from SAP SRM to SAP ERP for shopping carts are done via real time BAPI RFC calls and not via IDocs or scheduled background jobs. |
| SAP SRM 5.0 Pcard scenario dependency | - SAP SRM Pcard functionality is only supported in the stand-alone scenario for SAP SRM 5.0. The extended classic scenario is not supported, even though the leading PO is in SAP SRM. |
| Scenario decision consideration | - A customer with an existing SAP ERP system that has implemented the Materials Management will typically lean toward the classic scenario, but this is just a rule of thumb. All requirements must be considered to make a determination. |

Table 3.1 Key Concepts Refresher (cont.)
Take Away  Chapter 3  69

**Tips**

This section gives you additional clues on how to improve your odds of doing well on the section of the exam covering this topic.

- You can review the SAP SRM 5.0 Functionality Matrix, which lists specific functions available to SAP SRM local vs. stand-alone/extended classic. You can search for the Functionality Matrix on SAP SDN or SAP Service Marketplace.

- SAP Help contains additional information that will be helpful. You can access this information by visiting [http://help.sap.com](http://help.sap.com). You then navigate to SAP BUSINESS SUITE • SAP SUPPLIER RELATIONSHIP MGMT • SRM 5.0 ENGLISH. In the SAP SRM help window that launches, look under ARCHITECTURE AND TECHNOLOGY • TECHNICAL SCENARIOS.

**Note**

You could use the search function on the [http://help.sap.com](http://help.sap.com) website to search for the extended classic scenario, for example.

<table>
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<th><strong>Key Concept</strong></th>
<th><strong>Definition</strong></th>
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| Scenario transition           | ▶ An implementation scenario that has already been implemented can be a large undertaking and a project unto itself to convert to a new implementation scenario such as from the stand-alone to classic scenarios.  
                                  ▶ If the requirements allow, it is typically better to have a hybrid solution, but of course all requirements and processes must be evaluated for the specific situation. |
| Dispatcher communication      | ▶ The abstraction layer uses the spooler component to queue the shopping cart and reprocess the transfer to the backend at regular intervals based on customizing settings. |

Table 3.1  Key Concepts Refresher (cont.)
Summary

We've discussed the different implementation scenarios and gone through the process steps to touch on how the scenarios differ. After comparing the different implementation scenarios, you should have a clear understanding of how functionality can be impacted. The implementation scenario is a fundamental decision on an SAP SRM project that impacts architectural and process mapping.

In addition, we've presented the different communication methods SAP SRM uses to connect to one or more backend systems. The available backend integration options are essential concepts, similar to the implementation scenario. As you dive into details on the configuration and technical side, you'll consistently come back to these basic communication methods. We'll discuss the landscape concept for SAP SRM in the next chapter.
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