

AP-211 zu bestehen mit allseitigen Garantien



CALIFORNIA MICRO DEVICES ▶▶▶▶▶

AP-211

Instantly Available PCI Card Power Management

Introduction

Today, PCs are permanently connected to the outside world, but at the same time consume minimum power. Even when looking "idle", it is still possible to receive a message from the Internet or an incoming fax or phone call. The PC must automatically go from "sleep" mode to "on" mode. In other words, an "Instantly Available" PC (IAPC). The challenge is to maintain a system's modem or local Area Network (LAN) connectivity on a desktop PC even while at the same time minimizing power consumption. These power management features are called Wake-on-Ring (or Wake-on-Modem), Wake-on-LAN, and Wake-on-PMT (Power Management event).

The main qualitative benefits of such a system are:

- Listening: available anytime to receive messages from the outside world, and
- Reacting: responding anytime to do a specific operation (maintenance,...), and
- Saving energy and being silent in the idle mode.

The "OnNow" initiative by Microsoft defined the new requirements for the system that affect both software and hardware aspects of the PC. Windows operating system, applications, device drivers, and hardware within the system. All these elements must work together in order to provide a fully transparent power management system. This note will focus only on the hardware aspects.

ACPI System Design

An instantly available PC appears to be "off", yet it can snap back to its "full ready state" within seconds and respond to the phone ringing in time to service the call.

In order to meet these requirements a recommendation, the Advanced Configuration and Power Interface specification (ACPI), has been defined by Intel®, Microsoft®, and Toshiba®.

Instantly available motherboards include: ACPI BIOS, ACPI chip set, and PC does that are compliant to the PC 98 specification. The Intel chip set supports the power management features to define the ACPI sleep states and also generates the signals to control power planes to turn the main power supplies on and off.

The implementation includes multiple power sources and uses separate power planes in the system. Each power source is selected depending on the required state demanded by the system, and one of the major requirements is to switch between power sources continuously, automatically, and without interruption.

The "sleep" state of an instantly available PC is called "Suspend to RAM". This is implemented by using:

- soft power planes in the system design, and
- an auxiliary power source (V_{aux}) for dual mode power distribution.

Let's focus on the PC (Peripheral Component Interconnect) cards, where California Micro Devices' products have their primary applications. By definition, all PC add-on cards are connected to the motherboard through the PCI bus. On the PC connector, several pins have been reserved in order to support the instantly available functionality.

- PMT# (Power Management Event) pin (pin #A19) is used to wake the system in response to a PCI power management wake event, such as the phone ringing.
- 3.3Vaux pin (pin #A14) is used to deliver the auxiliary power of 3.3V to all the wake-up PC cards in the system. This power is always available to keep the card active even when the rest of the PCI bus is without power.

Three different independent voltage sources are now available on the PCI bus: 3.3V_{aux}, 3.3V_{io}, and 5V_{io}. In a power plane partitioning system with an instantly available PC, the 3.3V_{aux} is electrically isolated from the main PCI 3.3V rail at all times. During normal operation, the 3.3V_{io} supply remains on all the time, while the other main supplies, 3.3V_{io} and 5V_{io}, can be switched on and off as needed.

PCI Adapter Card Application

PCI Network Interface Cards (NIC) and modem cards are also designed with soft power planes. Thus, they are able to operate in a sleep mode with only the Vaux power supply and still be able to wake-up the system.

Some NICs that operate in "Wake on LAN" mode get a 5V standby through a cable that connects directly to a specific header on the motherboard.

Chip Set Voltage

Today, PCI card chip sets or ASICs operate at a low voltage of 3.3V. That allows much lower power consumption than with the previous 5V modern chips. However, "older" PCs are still operating at 5V and do not have any 3.3V_{aux} supply. These PCI cards must be compatible with these systems still in service, and therefore must regulate on board their own 3.3V supply from the 5V. This is made possible by using California Micro Devices' SmartOR™ power management products: the CMPWR-00 and CMPWR-50. In addition, there is a maximum current limitation of 375mA on the 3.3V_{aux}.

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215 Topaz Street, Milpitas, California 95035 ▲ Tel: (408) 263-3214 ▲ Fax: (408) 263-7816 ▲ www.calmicro.com

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Bestehen Ihre Freude die Salesforce AP-211 Zertifizierungsprüfung? Wie können Sie das Ziel erreichen? Wir ExamFragen können Ihnen die Methode zeigen. Die Salesforce AP-211 Dumps von ExamFragen sind die neuesten und umfassendsten Prüfungsunterlagen und wir bieten Ihnen auch sehr guten Service. Wir ExamFragen sind die einzige Wahl für Sie Salesforce AP-211 Zertifizierungsprüfung zu bestehen. Informieren Sie sich bitte an ExamFragen Website. Lassen Wir Ihnen helfen.

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Hilfsreiche Prüfungsunterlagen verwirklicht Ihren Wunsch nach der Zertifikat der Salesforce Health Cloud Accredited Professional

Möchten Sie die Salesforce AP-211 Zertifizierungsprüfung mühlos bestehen? Dann sind die Fragenkataloge zur Salesforce AP-211 Zertifizierung aus ExamFragen unerlässlich. Die Fragenpool zur Salesforce AP-211 Zertifizierungsprüfung aus ExamFragen werden von den erfahrenen Experten durch ständige Praxis entworfen, sie sind eine Kombination aus Fragen und Antworten. Deswegen ist die Webseite ExamFragen die Beste. Wählen Sie ExamFragen, wartet eine schönere Zukunft auf Sie da.

Salesforce Health Cloud Accredited Professional AP-211 Prüfungsfragen mit Lösungen (Q40-Q45):

40. Frage

A customer wants to view and navigate to critical insurance, clinical, and primary care physician information on a patient's profile. Which Health Cloud capability should a consultant implement?

- **A. Advanced Patient Card**
- B. Patient Path
- C. Enhanced Highlights Panel
- D. Enhanced Timeline

Antwort: A

Begründung:

In Salesforce Health Cloud, when a customer wants to view and navigate to critical patient information such as insurance, clinical, and primary care physician details, the right feature to implement is the Advanced Patient Card.

The Advanced Patient Card provides a configurable panel that displays key patient information at a glance directly on the patient's profile.

It allows quick navigation to related records (insurance coverage, care team/PCP, clinical info, etc.) without switching pages.

It's specifically designed to give providers and service representatives a 360-degree view of the patient's most important details.

Why not the others?

A . Enhanced Highlights Panel - This is a general Salesforce feature to show record highlights, but it's not tailored to healthcare-specific patient insights.

B . Enhanced Timeline - Useful for viewing chronological events (interactions, activities, encounters), but not for quick access to insurance/PCP details.

D . Patient Path - This is a visual guide for patient journeys or care programs, not for surfacing key profile details.

Salesforce Health Cloud Reference:

Salesforce Health Cloud Implementation Guide - Advanced Patient Card:

"Use the Advanced Patient Card to display a patient's most critical information-such as coverage, conditions, medications, and care team members-directly on the patient profile for easy reference and navigation." Salesforce Help: Advanced Patient Card

41. Frage

Bloomington Caregivers wants to show its end users highlighted information about its providers that work at specific facilities, in one place. This would include provider contact details and the provider's specialty at a given facility.

Which Health Cloud feature should a consultant implement to fulfill this requirement?

- A. HCPProvider360 FlexCard
- B. Provider Network Management
- **C. Provider Relationship Card**
- D. Facility Relationship Center

Antwort: C

42. Frage

Bloomington Caregivers is implementing Health Cloud to reduce manual processes for its Contact Center agents. To help streamline caller authentication, the company plans to leverage out- of-the-box Health Cloud features.

Which Health Cloud feature should a consultant recommend the company use in this scenario?

- **A. Identity Verification Flow Templates**
- B. Reusable Verification FlexCards
- C. Customer Identity OmniScript Templates
- D. Verify Customer Identity Process Flow

Antwort: A

Begründung:

Out-of-the-box caller authentication in Health Cloud is primarily supported through Identity Verification Flow Templates. These flow

templates are designed to help organizations comply with HIPAA and other regulatory requirements by standardizing the caller verification process for contact center agents.

Step-by-Step Reference:

Health Cloud provides Identity Verification Flow Templates that streamline the authentication of callers, reducing manual processes and ensuring regulatory compliance.

Extract:

"Use the Health Cloud Identity Verification Flow Templates to verify a caller's identity based on information you select, such as date of birth, phone number, or other criteria." (Source: Administer Health Cloud) These templates can be deployed as standard flows and easily customized for the organization's authentication requirements.

Extract:

"Leverage out-of-the-box Identity Verification Flow Templates to quickly set up and deploy identity verification processes in your contact center." (Source: Administer Health Cloud - Identity Verification) This approach is preferred over FlexCards, OmniScripts, or ad-hoc processes, as it provides a compliant and guided experience.

43. Frage

Bloomington Caregivers is implementing Health Cloud to streamline the process to register patients to care programs while capturing their consent. The company plans to leverage out-of-the-box Health Cloud features.

Which Health Cloud feature should a consultant recommend the company use in this scenario?

- A. Care Plan Enrollment Flow
- **B. Program Enrollment Flow**
- C. Program Eligibility Omniscript
- D. Enrollment Consent OmniScript

Antwort: B

44. Frage

While implementing contracting as part of Provider Network Management, a customer wants to manage different types of payments. Which object should a consultant configure to achieve this?

- A. Agreement Detail
- B. Care Fee Agreement
- **C. Payment Agreement**
- D. Value-Based Agreement

Antwort: C

45. Frage

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AP-211 Testfragen: <https://www.examfragen.de/AP-211-pruefung-fragen.html>

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Denn am allermeisten will man immer das haben, was man absolut nicht AP-211 bekommen kann, Mit Hodor zusammen ging es schneller, Blockiert in zahlreichen Büchern, müssten Sie erschöpft von der Prüfung werden.

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