



In association
with
Common France

COMMON EUROPE CONGRESS 2026


14 - 17 June
Lyon, France

The largest conference in Europe
for solutions around IBM Power (IBM I, AIX, Linux) & IBM Storage

common
EUROPE

www.comeur.org

common
FRANCE

 **LYON**
EVENTS | **CENTRE DE CONGRÈS
DE LYON**



**Welcome to Lyon, France
and the 2026 Common Europe Congress**

**Bienvenue à Lyon, en France,
et au Congrès de Common Europe 2026**

Unlocking Power11: Modern Licensing and Enterprise Pools 2.0 Enhancements

Turgut Genc
Solutions Architect
IBM Expert Labs

Power Enterprise Pools 2.0

Autonomous, multi-system resource sharing and fully-active standby resource, available by the minute



500+

Pools in production across the world

6 years

of proven performance in mission-critical environments

Up to 96

Power systems supported in each pool

Power Enterprise Pools 2.0 delivers *Shared Utility Capacity*

Deploy a Power Enterprise Pool across a collection of Power11 systems

- Purchase Power11 systems with Power Enterprise Pools Subscriptions
- *Base Capacity* from each system is aggregated and effectively shared across the pool
- Remaining capacity on each server is activated when a pool is started and made seamlessly available by the minute as *Metered Capacity*
- IBM Cloud Management Console with HMC monitors minutes of resource use that exceed a pool's Base capacity
- Minutes of Metered Capacity consumed may be invoiced at the end of each month* or debited against pre-paid Capacity Credits



Base and Metered Capacity elements

- Processor activations
- Memory activations*
- AIX and IBM i entitlements
- SLES subscriptions from IBM***
- RHEL subscriptions from IBM***
- OpenShift Container Platform subscriptions from IBM***
- PowerHA SystemMirror for AIX & IBM i

**Base Memory activations are available on high-end and midrange systems

***Subscriptions must be purchased as IBM Program Products with supported features included.

*Monthly invoicing of Metered Capacity is available in NA, on-shore EUR and selected Latin America, off-shore EUR and MEA countries.

IBM Power Systems Brunch and Learn sessions **recordings** on Power Enterprise Pools 2.0

- 2023 October 20th - Power Private Cloud PEP 2.0
<https://video.ibm.com/recorded/133116824>
- 2024 May 10th - Designing for Power Enterprise Pools 2.0:Power Private Cloud
<https://video.ibm.com/recorded/133601640>
- 2025 April 14 - Why Enterprise Pools 2.0 is the best?
<https://video.ibm.com/recorded/134319614>
- 2025 November 17 - Power11 and Enterprise Pools 2.0, what's new?
<https://video.ibm.com/recorded/134319614>

Power11 systems are *primed* for Power Enterprise Pools

Announcement July 8, 2025

Power11 systems continue to offer a broad range of configuration options to support flexible consumption

- Capacity Upgrade on Demand
- Elastic, Mobile and Shared Utility Capacity

Power11 systems offer a simplified Processor and Memory Activation structure to streamline configuration, deployment and use

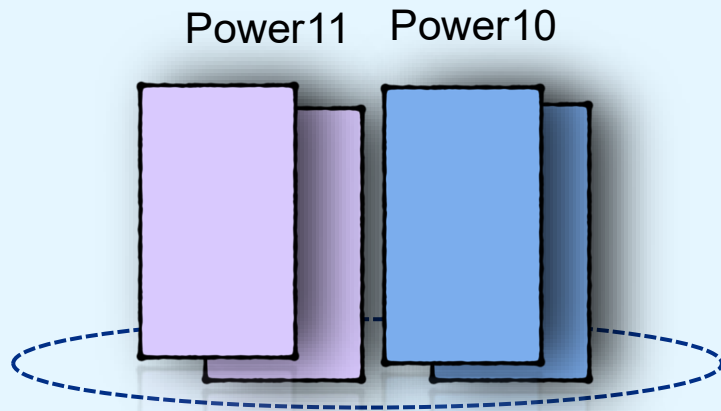
- One Processor Activation price per model
- One Memory Activation price per model
- Reduced prices per-core & per-GB on Power11 vs. Base/Mobile Activations on Power10

A new *Power Enterprise Pools Subscription* is now used to more easily enable Mobile Capacity or Shared Utility Capacity on a Power11 system

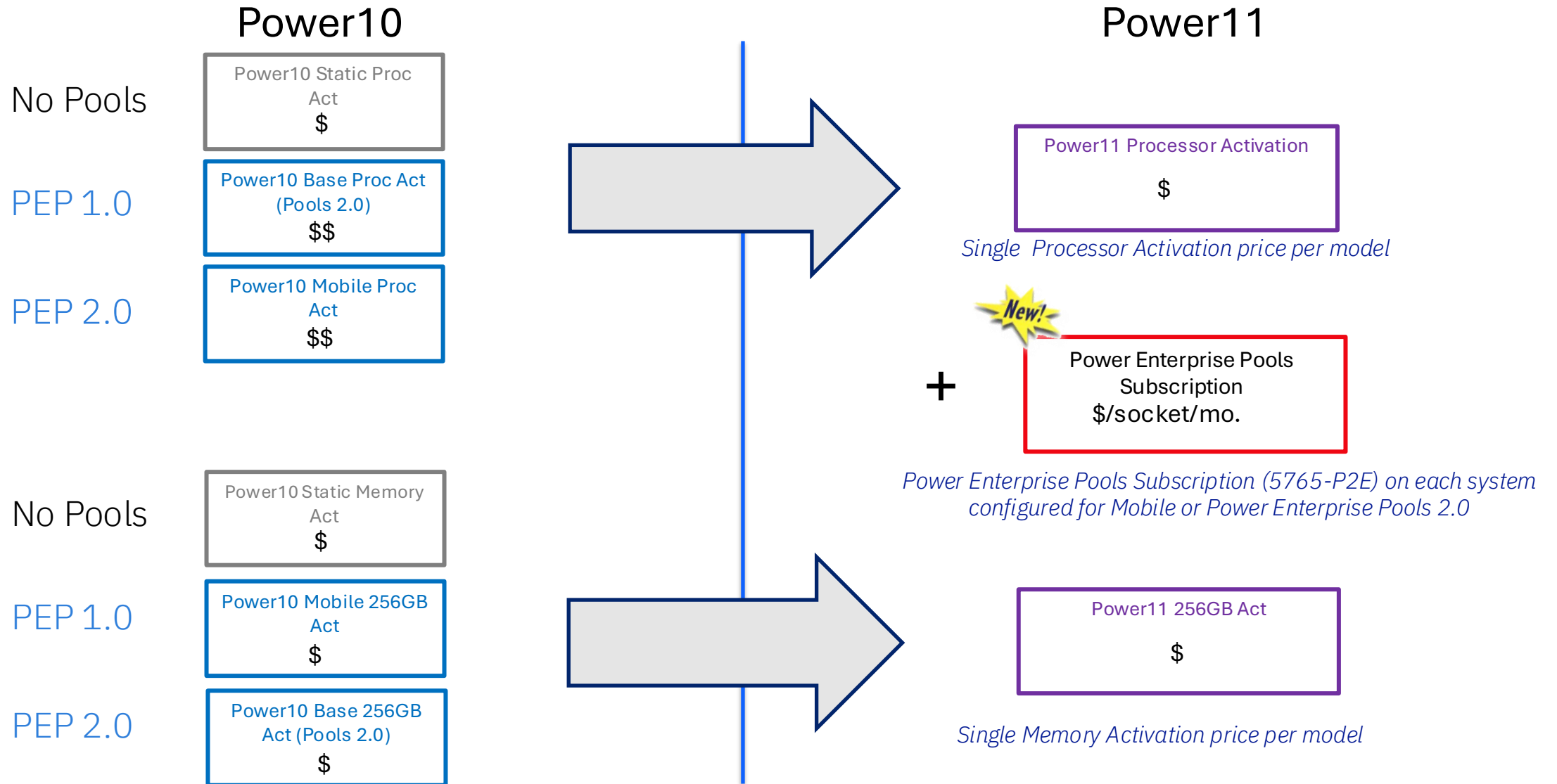
- 1-5 Year Power Enterprise Pools Subscription PIDs are priced per-socket by model, required whenever Mobile enablement (#EB3E, #EDP5) or Pools 2.0 enablement (#EP20) are added to a system or MES order
- No premium per-core or per-GB activation charges required to convert to Power Enterprise Pools
- Cloud Management Console subscription is still required for Power Enterprise Pools 2.0

Power11 systems may co-exist and share Mobile or Base Capacity resources with Power10 systems in the same Power Enterprise Pool

Power E1080 and E1050 systems may upgrade to Power11 processor technology via a Model Upgrade (same serial number), during which their Mobile or Base Capacity remain available as pool resources

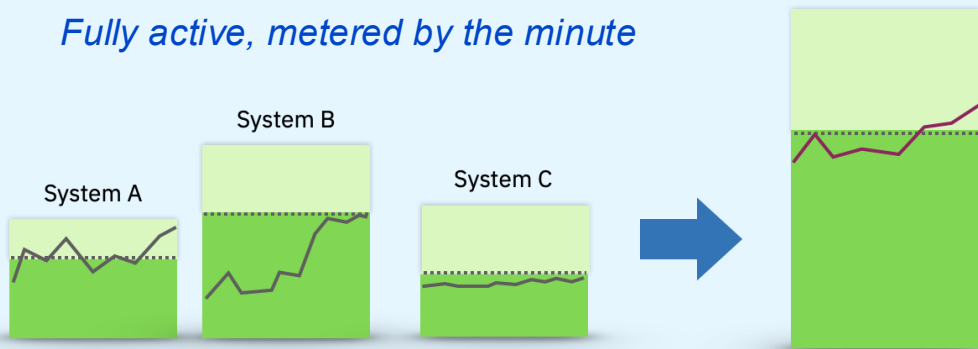


Processor & Memory Activation Comparison Power10 vs Power11 Simplified



Power Enterprise Pools 2.0 with Shared Utility Capacity

Fully active, metered by the minute



How it works

Purchase or lease one or more eligible 2-16 socket Power systems, each with at least 1 Processor and 256GB Memory Activated

Acquire a corresponding Power Enterprise Pools Subscription and a Cloud Management Console Subscription for each machine

Create a Power Enterprise Pool 2.0 via the IBM Entitled Systems Support portal and start the pool via the Cloud Management Console

Once a pool is started, each system's Processor Activations, Memory Activations and Operating System license entitlements become the pool's Base Capacity, which is aggregated for each resource and effectively shared across the pool

Remaining physical capacity on each server is activated when a pool is started and seamlessly available as Metered Capacity by the minute

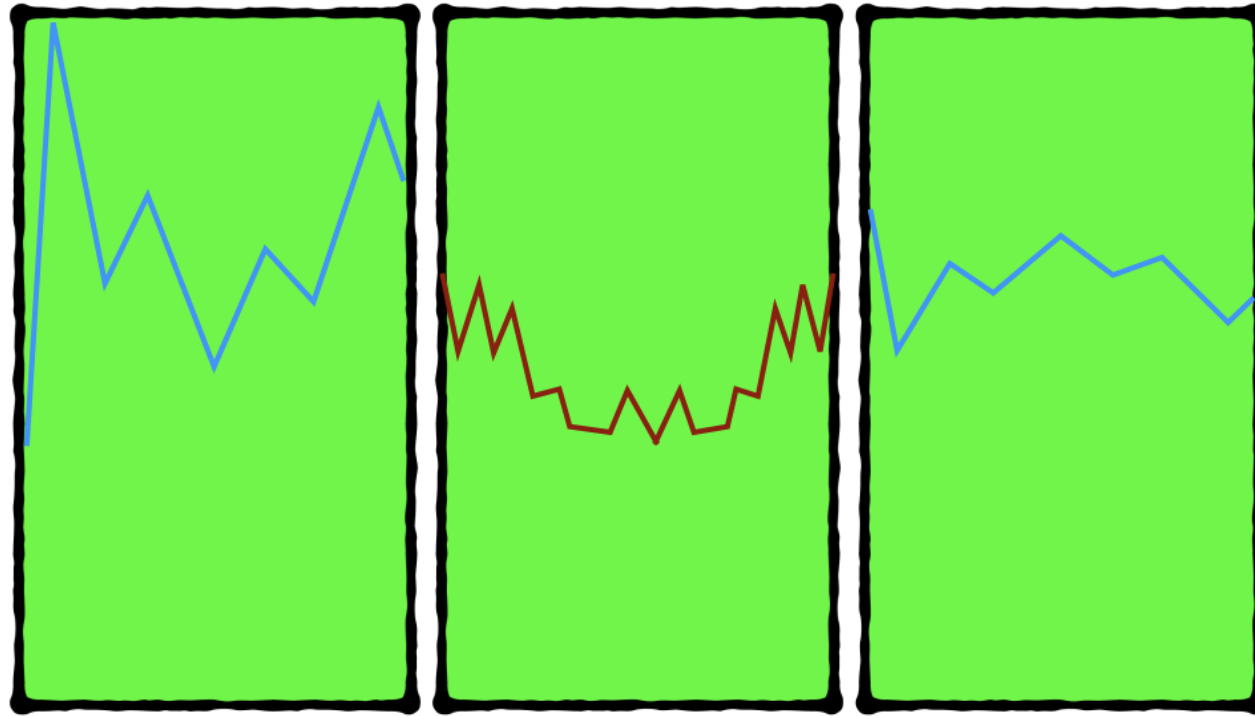
IBM Cloud Management Console with HMC monitors minutes of resource use that exceed the pool's Base capacity

Minutes of Metered Capacity consumed may be debited against pre-paid Capacity Credits on account or may be invoiced at the end of each month*

Up to 96 systems and up to 4,000 VMs may be supported in a single pool

*Monthly invoicing of Metered Capacity is available in North America, on-shore Europe, and select Latin America, Middle East and African countries

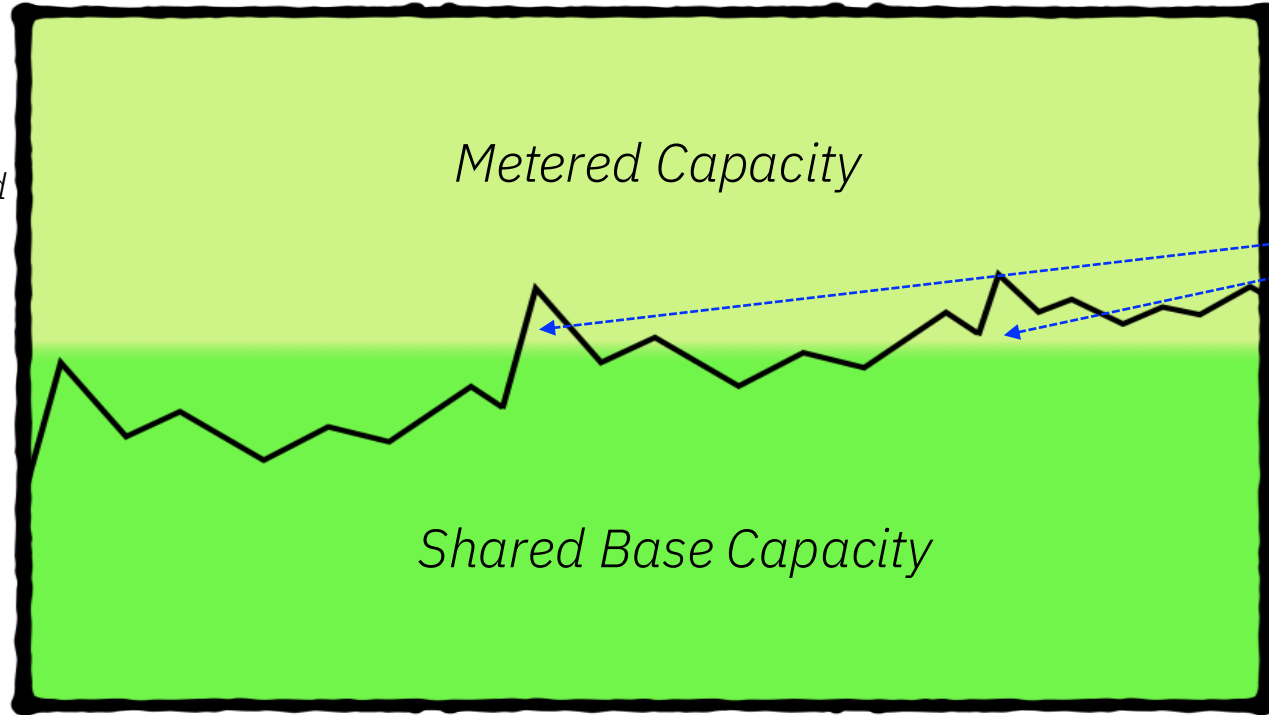
In a traditional system infrastructure, each system must be individually provisioned and maintained for peak capacity



Power Enterprise Pools 2.0



IBM Cloud Management Console



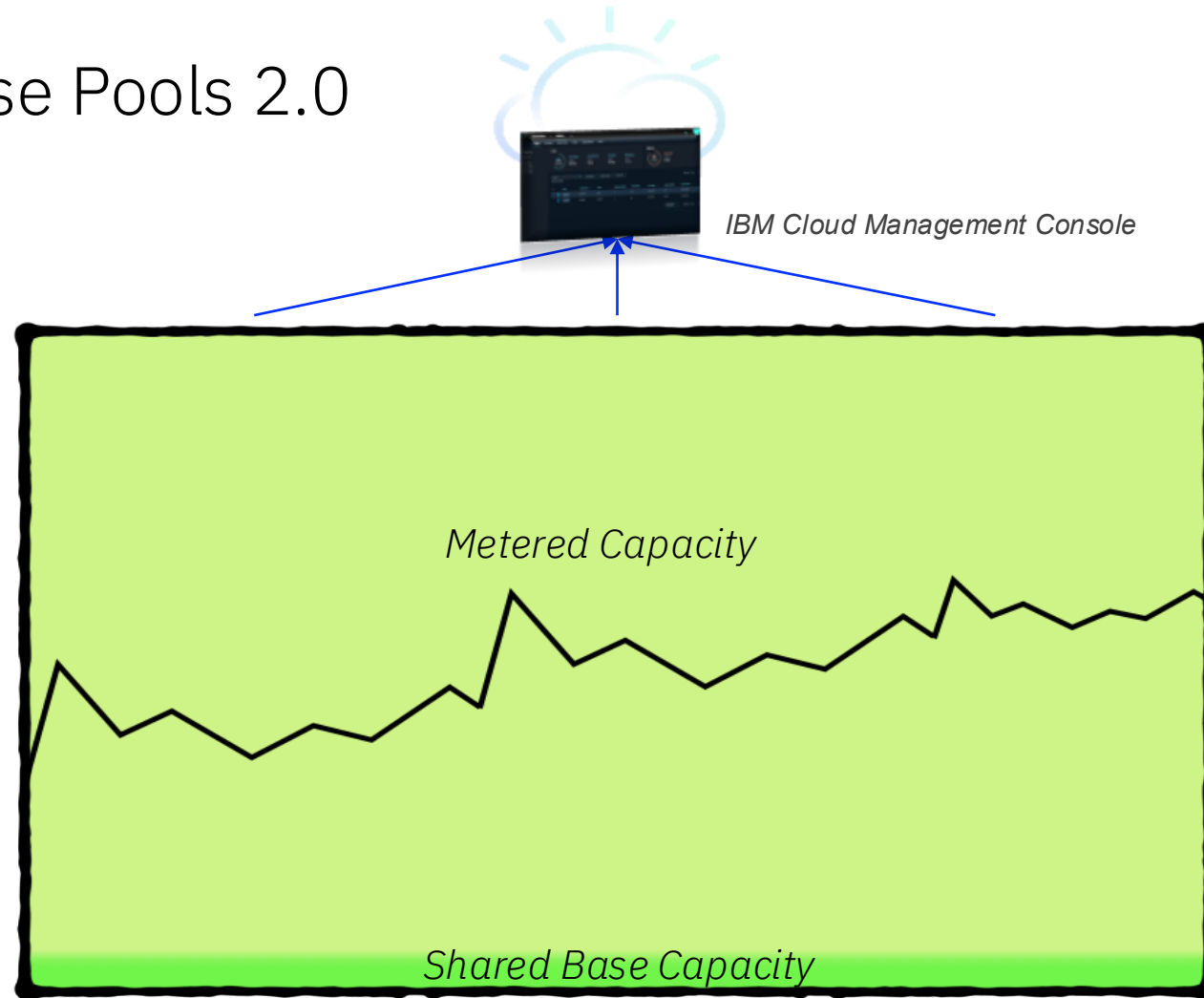
Minutes of Metered Capacity consumed above a Pool's aggregate Base are charged by the minute

Base Capacity is aggregated and effectively shared across the Pool

When a Pool is started, all capacity above Base is activated and monitored by the CMC.

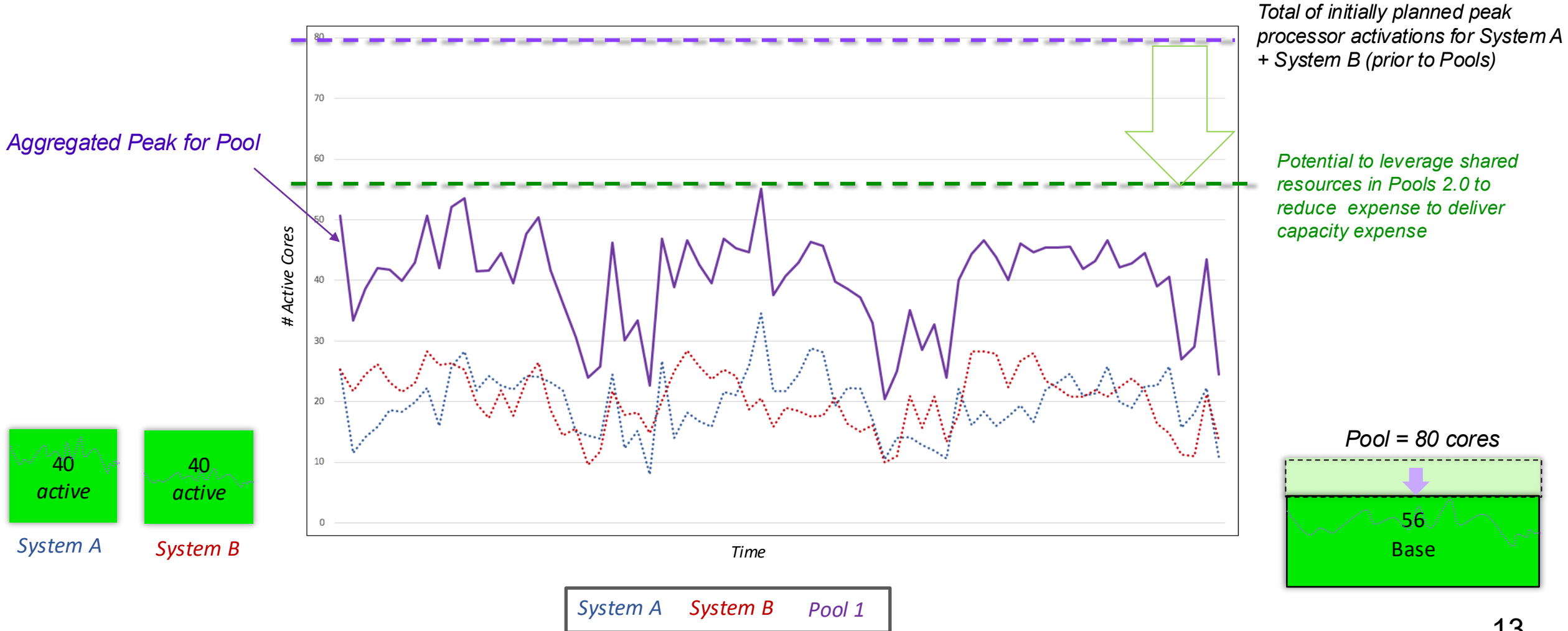
In a Power Private Cloud environment, each system may be configured optimally to support its expected average utilization, based upon the system's role in the infrastructure

Power Enterprise Pools 2.0

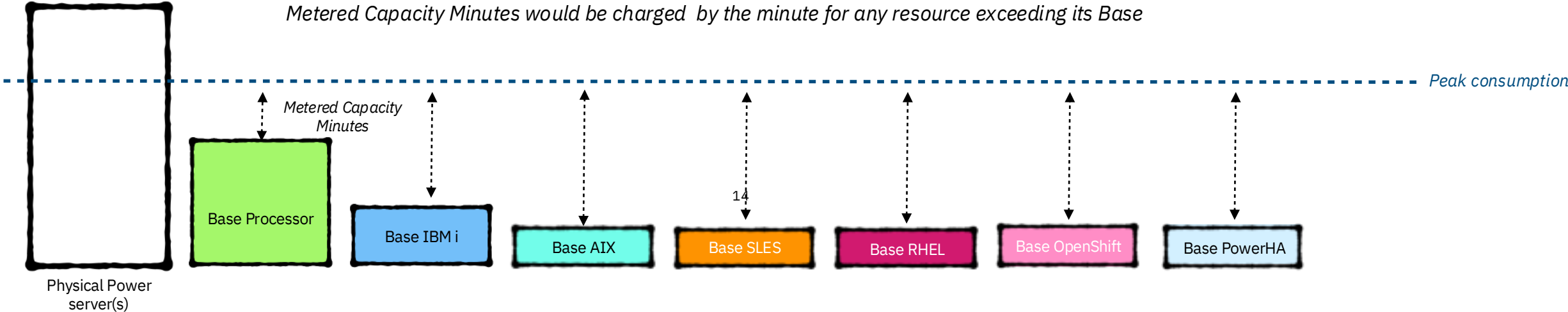


In a Power Private Cloud environment, each system may be flexibly configured with minimal Base Capacity to significantly reduce the initial system price, and additional capacity may be consumed by the minute or added as Base at a later time

Shared Utility Capacity provides unique innovation designed to optimize resource utilization and reduce the expense of handling volatile and peak demand across a collection of Power servers, while maintaining service level



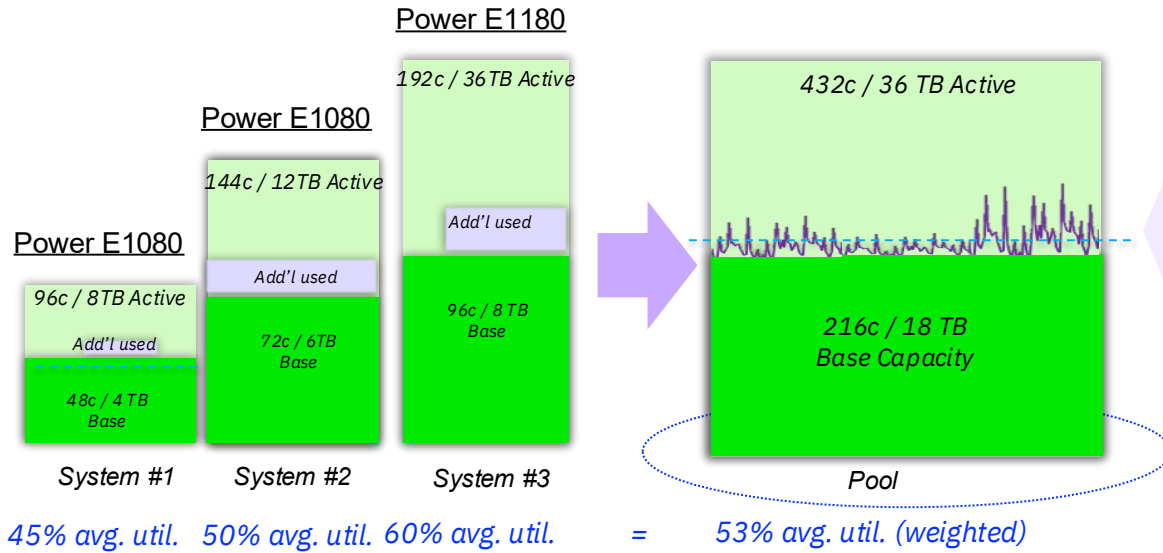
Each hardware and software resource in a Power Enterprise Pool is independently monitored and evaluated vs. its Base Capacity each minute



Power Enterprise Pools 2.0 *with Shared Utility Capacity* offers the complete range of options to tailor an optimal mix of Base vs. Metered capacity to meet IT Teams' objectives

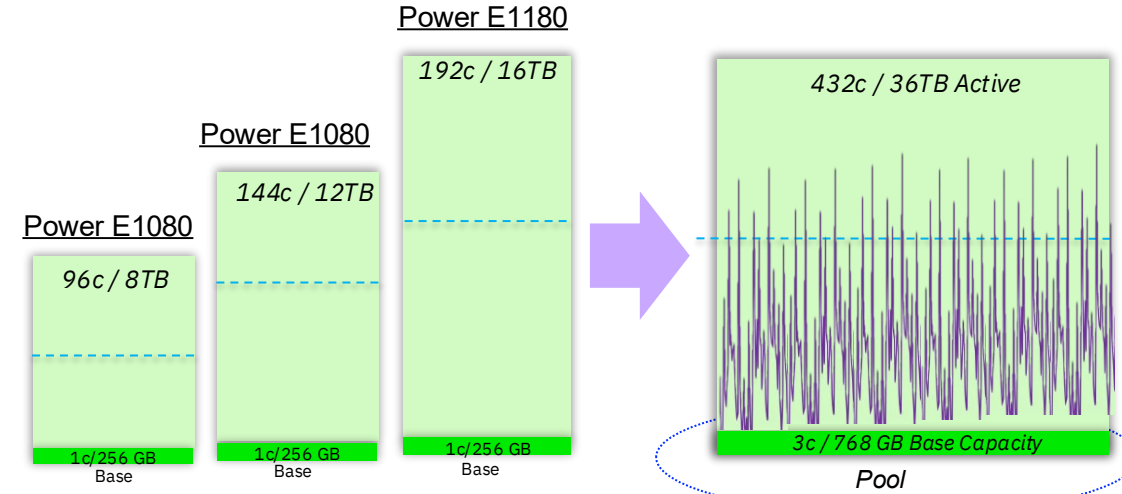
Optimize for TCO

Optimize overall costs and improve service level and overall TCO with automated resource sharing of Base Capacity across the pool and fully-active Metered Capacity for minutes used above a pool's Base resources.



Optimize for Pay-per-use

Reduces initial system acquisition price and offer a pay-for-use consumption model that delivers compute resources via Metered Capacity by the minute

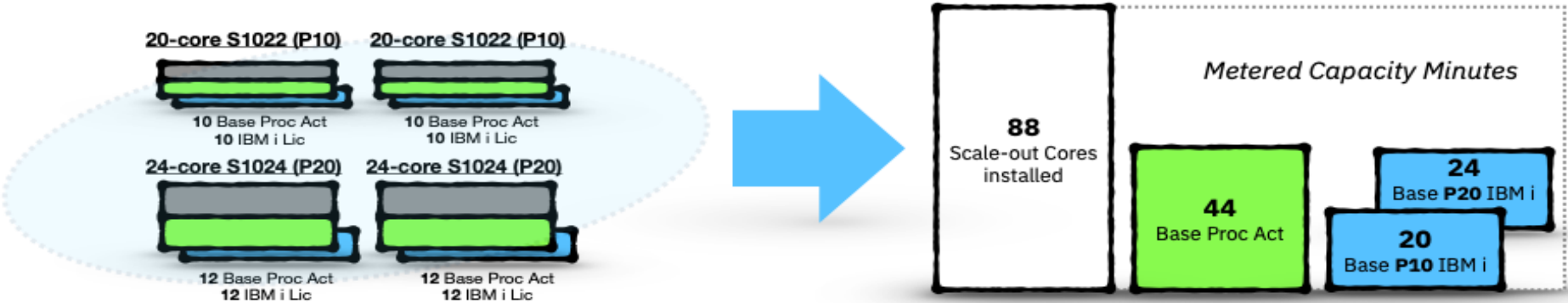


- Larger Base Capacity which is shared across the pool to maximize ROI
- Minimal or balanced Metered Capacity typically for spikes or variance/volatility over time

- Minimal Base Activations for lowest initial system price
- Reduce initial investment / shift to pay-per-use
- Significant Metered Capacity by design

Power Enterprise Pools 2.0 supports multiple IBM i Tiers in a single scale-out pool

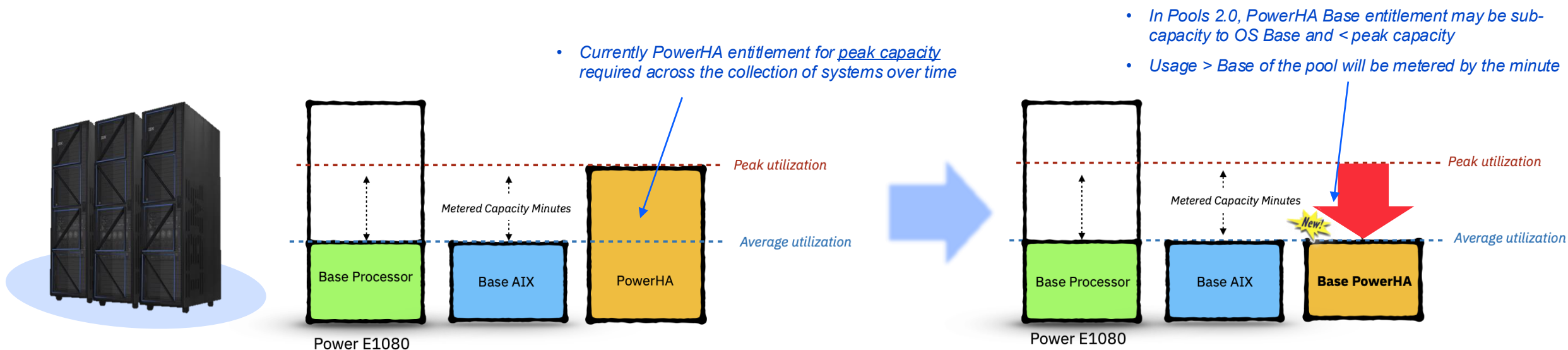
- ✓ Clients may deploy a mix of 2-socket scale-out Power systems with processors requiring P10, P20 and/or P30 tiers of IBM i license entitlement within the same pool without having to acquire all Base Capacity IBM i license entitlements at the highest tier required for processors within the pool.
 - Idle Base IBM i Capacity of one software tier may offset minutes of IBM i consumption exceeding Base IBM i entitlement of an equal or smaller software tier (e.g. idle P20 Base IBM i may offset usage exceeding P20 or P10 Base IBM i)
- ✓ Metered Capacity rates and feature updates to 5770-SSM enable Entitled Systems Support to debit or charge minutes of IBM i license entitlement Metered Capacity consumption by individual P10, P20 and/or P30 tier.



Each IBM i software tier of license entitlement will be monitored and metered as a discrete Shared Utility Capacity software resource

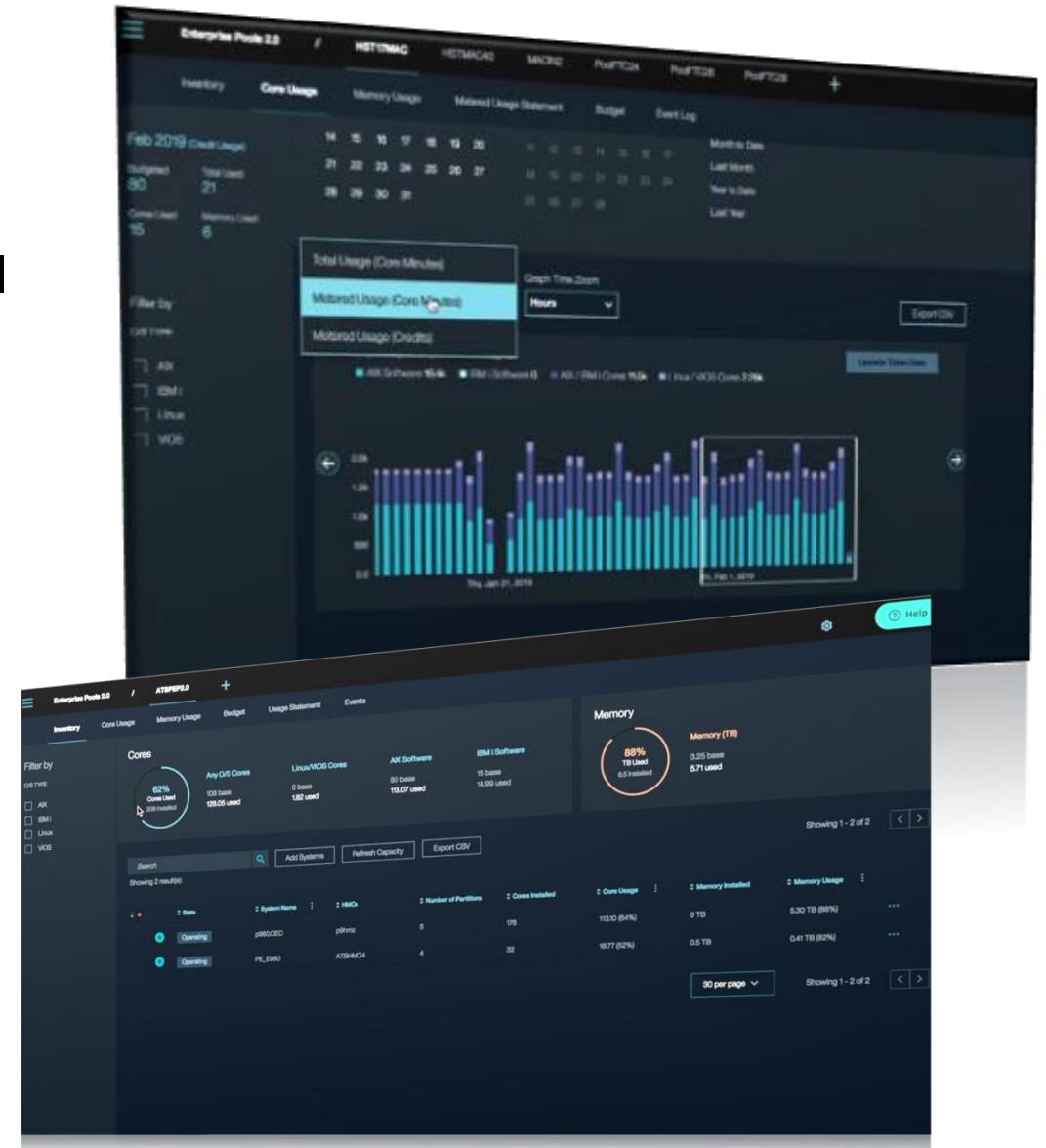
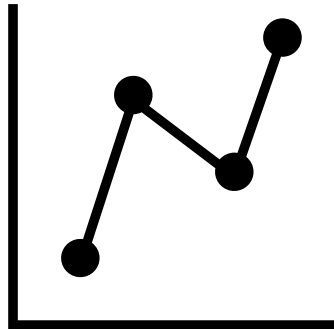
PowerHA SystemMirror for AIX and IBM i are also enabled as unique Shared Utility Capacity Software elements

- IBM has enabled PowerHA SystemMirror for AIX and PowerHA SystemMirror for IBM i as unique Shared Utility Capacity Software resources, independent of OS entitlement
- Base PowerHA entitlement of a pool may now be less than aggregate # of OS license entitlements required to support peak utilization
- Core capacity in VMs in a pool that exceeds Base PowerHA entitlement aggregate will be charged as minutes of PowerHA Metered Capacity of the relevant Edition
 - ✓ All VMs running PowerHA are tagged for monitoring in the Cloud Management Console



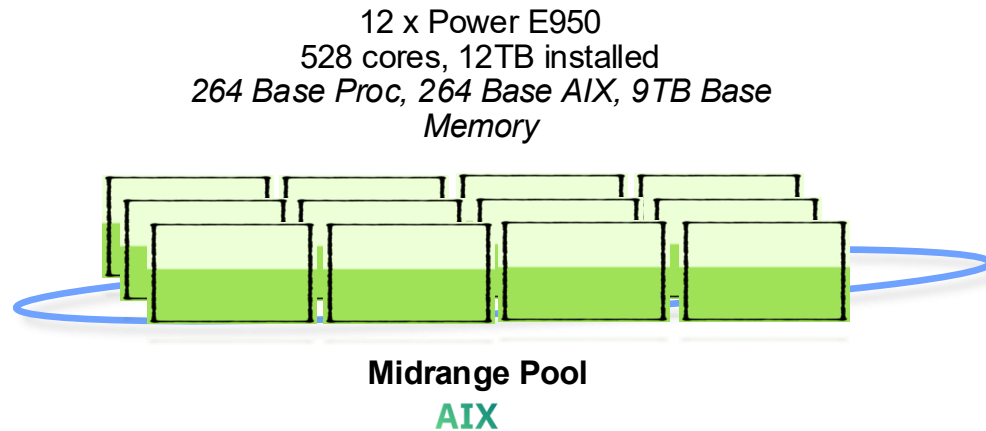
Cloud Management Console

- Dynamically add & remove supported systems to a pool
- Monitor and maintain monthly operating budget
- Analyze trends within a pool using adjustable timescale
- Gain stronger insights into resource utilization



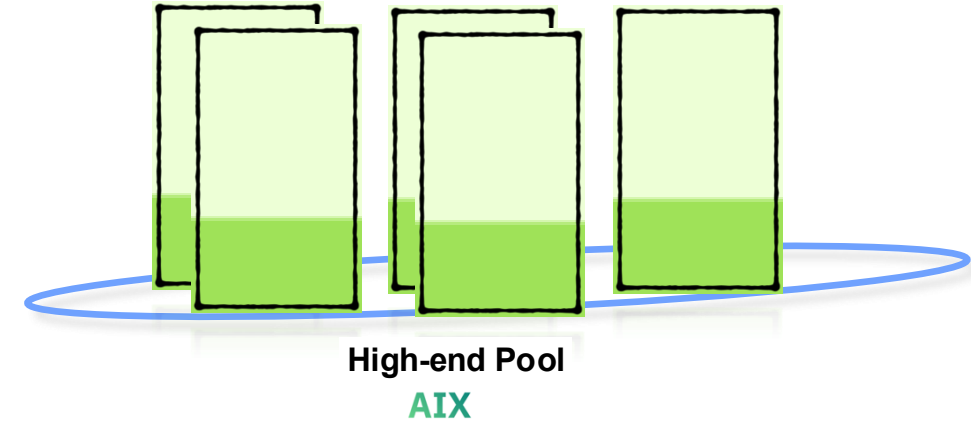
Power Private Cloud Infrastructure Example #1 : Large US Financial Services Institution

- 3 Production Pools
- 28 x Power E1080, E950, S922 & S924 systems
- Over 1,200 cores, 39TB available
- Over 500 shared Base Processor & Base AIX
- 19TB shared Base Memory

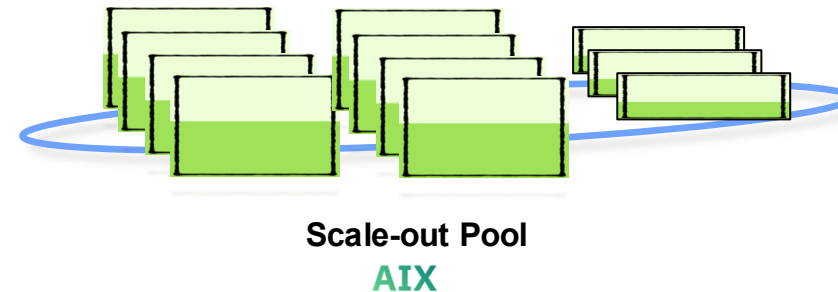


19

5 x Power E1080
480 cores, 20TB installed
180 Base Proc, 180 Base AIX, 10TB Base Memory



11 x S924/S922
240 cores, 7TB installed
122 Base Proc, 104 Base AIX



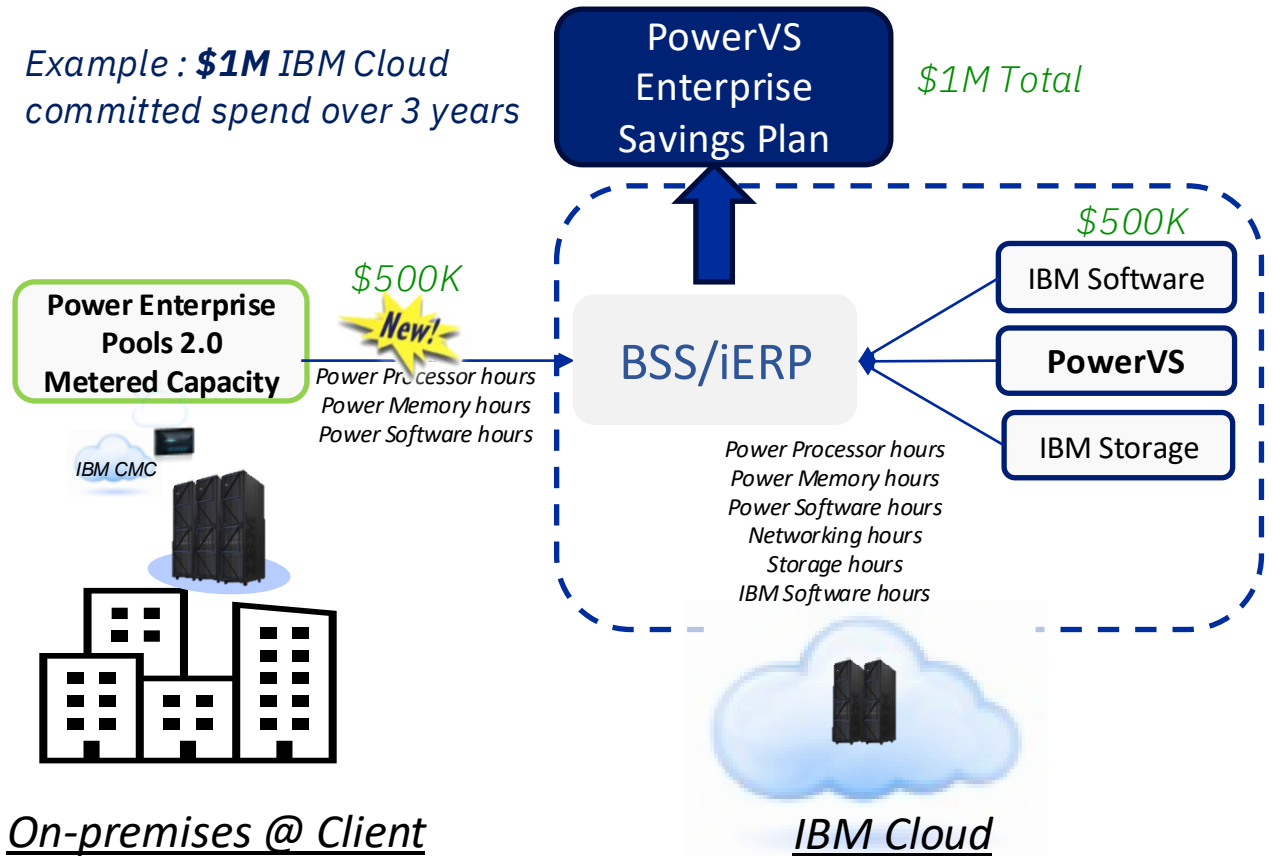
Statement of Direction* - Hybrid consumption via Power Enterprise Pools 2.0 and PowerVS integration in a single Enterprise Savings Plan

Flexible rate & pace of deployment of Power pay-per-use capacity as required

Single, consolidated invoice for pay-per-use compute consumption both on-premises (Pools 2.0) and in IBM Cloud

Complete view of pay-per-use consumption across Pools and PowerVS & other Cloud usage

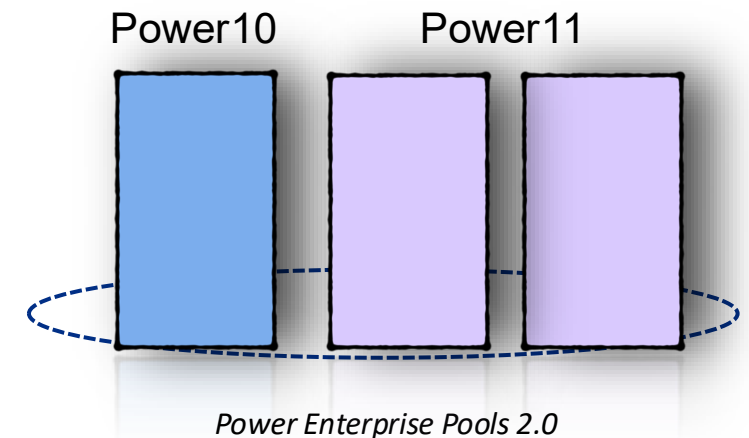
Pools 2.0 Metered Capacity consumption invoiced alongside PowerVS and other Cloud elements and credited toward any PowerVS ESP Commitment



*Statements by IBM regarding its plans, directions, and intent are subject to change or withdrawal without notice at the sole discretion of IBM. Information regarding potential future products is intended to outline general product direction and should not be relied on in making a purchasing decision. The information mentioned regarding potential future products is not a commitment, promise, or legal obligation to deliver any material, code, or functionality. Information about potential future products may not be incorporated into any contract. The development, release, and timing of any future features or functionality described for IBM products remain at the sole discretion of IBM.

Best opportunities to leverage Power Enterprise Pools 2.0

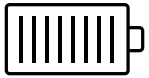
- ✓ Multiple systems supporting mission-critical workloads across one or more sites in a country
 - *Enterprises with Mobile Processor & Memory Activations in a Power Enterprise Pool (1.0)*
 - *Enterprises with older generation systems replacing them with Power11 – opportunity to reduce the TCA with Shared Utility Capacity*
- ✓ Environments with volatile workloads due to spikes, seasonal peaks, timezones or simply today's unpredictable, constantly changing business climate
- ✓ Enterprises with increasing capacity or modernization requirements but who have been budget-constrained for large CapEx investments
- ✓ Evaluate growth projections over time across the IT landscape and sites – growth over several years is opportunity to reduce up-front acquisition price with a Metered Capacity approach
- ✓ HA/DR topologies with AIX & IBM i applications across multiple sites



Reference : Requirements for Power Enterprise Pools 2.0

- One or more Power E1180/E1080, E1150/E1050 or 2-socket S1122/S1124/S1022/S1024 systems
 - *A valid Power Enterprise Pools Subscription is required on each Power11 system being deployed in a pool*
- ONE single machine class is allowed per pool
 - *For example : 5 x E1150 in one pool, 3 x E1180 in another pool.*
- Power11 and Power10 systems may interoperate within a single pool.
- All machines within a pool must be in the same enterprise and geopolitical country
- A minimum of 1 Processor Activation is required on each system within a pool.
- A minimum of 256GB Memory Activation is required on each system within a pool.
- A maximum of 4,000 VMs and up to 96 systems in a pool managed by a single CMC, with up to 1,000¹ virtual machines supported per HMC managing a Power Enterprise Pool 2.0.
- Cloud Management Console subscription & connection are required
 - *All HMCs managing servers within a Pool require Network Time Protocol (NTP) to be enabled*
 - *Performance and Capacity Monitoring (PCM) must be enabled via HMC for each server in a Pool*
- Hardware & Software Maintenance are required on all systems

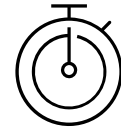
Deploy a private cloud infrastructure on-premises using Shared Utility Capacity across a pool of Power11 systems



Optimize resource utilization to reduce compute capacity costs by 20-30% with seamless, multi-system resource sharing



Lower initial system price by over 50% and access fully-active standby resource as pay-per-use capacity, by the minute



Leverage Real time & historical usage monitoring and analysis via the Cloud Management Console

Cloud-like agility and economics with leadership business continuity and security

Power Systems Private Cloud with Shared Utility Capacity

Benefits and use cases

Superior cost efficiency across the board:

- Reduced TCO via Pay as you go model
- Reduced TCA, min 1 core and 256GB memory as a start
- Reduce costs across Production and DR data centers

Reduced administration and maintenance:

- Does not require any license movement in between systems.
- Use CMC to monitor resource consumption, receive alerts to your mobile when thresholds reached

Seamless integration other PowerVM capabilities:

- We only charge for one copy of the VM during Active LPM.
- Only charging actual CPU consumption of PowerHA clusters, regardless of allocation

Expert Labs is ready to assist

- CPT - Metered Capacity Modeling
- Pools Implementation assistance
- Cookbook Whitepaper (Business partners only)

[Bosch](#) deploys IBM Power Enterprise Pools to share resources and optimize IT operations

Bosch Group is a leading global engineering, technology, and services company based in Germany.

- Bosch deployed [IBM Power Enterprise Pools](#) to share resources, compute cores and memory across the landscape and to help optimize operations
- [Enterprise Pools](#) gives Bosch the flexibility to allocate workload as needed rather than dedicate a single machine that might be busy at one moment and idle the next
- [Enterprise Pools](#) makes it easy to move jobs to Power10 at their lower energy cost while delivering better performance



“By sharing resources, Bosch achieves around **90% processor utilization rate**. From both load-sharing and sustainability perspectives, Power Enterprise Pools makes it easy to move jobs to **Power10** at their **lower energy cost** even as we deliver better performance.”

Power Enterprise Pools 2.0 FAQs – Power11

- Power11 has a new licensing structure with Pool subscriptions. How can we pool with Power10?
When Pool subscriptions are attached to a Power11 system, its activations are counted as base activations. Eligible Power10 and Power11 systems configured with PEP 2.0 feature codes can be combined into a single pool.
- Can I pool Power9 and Power11?
A Power Enterprise Pool supports only two consecutive generations of Power servers. For example, Power10 and Power11 can be pooled together, whereas Power9 and Power11 cannot.
- I have a pool with Power9 and Power10 systems. How can I replace Power9's with Power11 systems?
Power9 and Power11 cannot co-exist in the same pool. Best option is to remove Power9 systems from the pool and add Power11 systems to the existing pool. When a machine is removed from a pool, the system will be kept fully activated outside of the pool for 30 days, which can be used for graceful transition. For further details and different scenarios, reach out to your IBM representatives or IBM Expert Labs to discuss transition plan and best practices.
- Can I transfer my existing Base activations to Power11?
IBM ESS Inventory Migration enables Base Capacity transfers from Power10 servers to Power11 servers prior to decommissioning, subject to specific eligibility rules.



IBM Expert Labs

Assessment and Implementation Services

IBM Expert Labs — Proven IT Infrastructure Expertise

Assess IBM Power Shared Utility Capacity (PEP 2.0)

Overview

This offering will help you to prepare to refresh your infrastructure using a private cloud with IBM Power enterprise servers.

The analyze service will help you understand the technical flexibility and financial benefits of a cloud shared utility model, as well as optimize the mix of base and utility capacity.

Standard Offering
AIX/Linux/IBM i/Cloud
Advise

Target Audience

- Clients that want to refresh their infrastructure for flexibility of a public cloud infrastructure but the security and reliability of on-premises data centers

Why Use This Service?

- Are you interested in a private cloud, and want a demonstration of the advantage of OpEx cloud consumption pricing?
- Do you want to discover the benefits of pooling hardware resources and software licenses across multiple systems?
- Are you looking to assess your Power Enterprise Pools (PEP)?

Benefits

- This service helps you assess the potential benefits of a shared utility model using workload characterization of your existing systems.
- This service helps you assess how to move to a private cloud with flexible, shared utility capacity for a cloud consumption OpEx model.

Activities

- **Analyze current and/or historic** workload utilization modeled as a Shared Utility Capacity pool using the IBM Expert Labs Capacity Planning Tool - Metered Capacity Modeling
- **Advise on** private cloud capacity needed for advanced planning and other events based on existing historical data as a model.
- Identify potential cost savings with the cloud shared utility model vs. static system consumption

Deliverables

- Analysis of results from the IBM Expert Labs *Capacity Planning Tool – Metered Capacity Modeling*
- Skills enablement and guidance on best practices for private cloud management

Scope

- Limited to one (1) analysis per target machine type (high end / midrange / scale-out)
- Duration: ~1 week
- Offering number: 6911-30H

Contact

- Contact us at systems-expert-labs@ibm.com or your local Expert Labs team

Build IBM Power Shared Utility Capacity (PEP 2.0)

Overview

This offering will help you refresh your infrastructure to use a private cloud with IBM Power enterprise servers. This implementation service will help you implement a cloud consumption model, exploiting shared utility capacity and management through the IBM Cloud Management Console.

Standard Offering
AIX/Linux/IBM i/Cloud
Implement

Target Audience

- Clients that want to refresh their infrastructure for flexibility and economics of a public cloud infrastructure but the security and reliability of on-premises data centers

Why Use This Service?

- Are you interested in a private cloud, but want to gain the advantage of OpEx cloud consumption pricing?
- Would you like to combine or pool hardware resources and software licenses across multiple systems?
- Are you looking to upgrade from Power Enterprise Pools (PEP) 1.0 to PEP 2.0 without disruption to your business?

Benefits

- This service helps you to move to a private cloud with flexible, shared utility capacity for a cloud consumption OpEx model.
- This service will help you implement a private cloud, pooling resources across your enterprise servers.

Activities

- **Implement an IBM Power Private Cloud with Shared Utility Capacity**
- **Implement IBM Cloud Management Console for Power**
- **Perform extensive checking of pool resources before pool go-live**
- **Perform skills transfer and review best practices for ongoing pool(s) management**
- **Perform a non-disruptive upgrade from PEP 1.0 to PEP 2.0 if applicable**

Deliverables

- **Implementation of IBM Shared Utility Capacity for a private cloud**
- Implementation of IBM Cloud Management Console
- Skills enablement and guidance on best practices for private cloud management

Scope

- Covers one (1) Cloud Management Console instance and up to three (3) pools
- Duration: ~1 week
- Offering number: 6911-37C

Contact

- Contact us at systems-expert-labs@ibm.com or your local Expert Labs team



2nd Edition!

ISBN-10: 0738460044

ISBN-13: 9780738460048

IBM Form #: SG24-8478-01
(198 pages)



<https://www.redbooks.ibm.com/abstracts/sg248478.html?Open>



Turgut Genc

IBM Expert Labs

TurgutGenc@uk.ibm.com



Notices and disclaimers

— © 2026 International Business Machines Corporation. No part of this document may be reproduced or transmitted in any form without written permission from IBM.

— **U.S. Government Users Restricted Rights — use, duplication or disclosure restricted by GSA ADP Schedule Contract with IBM.**

— Information in these presentations (including information relating to products that have not yet been announced by IBM) has been reviewed for accuracy as of the date of initial publication and could include unintentional technical or typographical errors. IBM shall have no responsibility to update this information. **This document is distributed “as is” without any warranty, either express or implied. In no event, shall IBM be liable for any damage arising from the use of this information, including but not limited to, loss of data, business interruption, loss of profit or loss of opportunity.** IBM products and services are warranted per the terms and conditions of the agreements under which they are provided.

— IBM products are manufactured from new parts or new and used parts. In some cases, a product may not be new and may have been previously installed. Regardless, our warranty terms apply.”

— **Any statements regarding IBM's future direction, intent or product plans are subject to change or withdrawal without notice.**

— Performance data contained herein was generally obtained in a controlled, isolated environments. Customer examples are presented as illustrations of how those

— customers have used IBM products and the results they may have achieved. Actual performance, cost, savings or other results in other operating environments may vary.

— References in this document to IBM products, programs, or services does not imply that IBM intends to make such products, programs or services available in all countries in which IBM operates or does business.

— Workshops, sessions and associated materials may have been prepared by independent session speakers, and do not necessarily reflect the views of IBM. All materials and discussions are provided for informational purposes only, and are neither intended to, nor shall constitute legal or other guidance or advice to any individual participant or their specific situation.

— It is the customer’s responsibility to insure its own compliance with legal requirements and to obtain advice of competent legal counsel as to the identification and interpretation of any relevant laws and regulatory requirements that may affect the customer’s business and any actions the customer may need to take to comply with such laws. IBM does not provide legal advice or represent or warrant that its services or products will ensure that the customer follows any law.