Saginaw Chippewa Tribal College

5805 East Pickard Street, Mount Pleasant, Michigan 48858.

Campus-wide Virtual Desktop Infrastructure (VDI) solution

Request for Proposal

March 6th, 2026

Submission Deadline: Friday, April 3rd, 2026 at 5:00pm

Delivery Method: email to contact person.

RFP Contact: Marco Angiolini, IT Director

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(989) 317-4823

Available to the Public at: https://www.sagchip.edu/bids

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1. Administrative Overview

1.1 Purpose of the RFP

Saginaw Chippewa Tribal College (SCTC) seeks a qualified vendor to design, deliver, and implement a **comprehensive VDI solution** supporting at least 100 concurrent high-performance student desktops. This project includes all necessary server hardware, storage, core switching, and endpoint thin clients.

1.2 Campus Background & Project Objectives

As part of our digital transformation, we aim to provide students with 24/7 access to specialized academic software from any campus location. Key objectives include:

- Standardizing student compute environments.
- Reducing physical hardware maintenance in labs.
- Ensuring secure, high-speed access to GPU-accelerated applications.

1.3 RFP Timeline & Milestone Dates

Milestone	**Date**
RFP Release	March 6th, 2026
Pre-Bid Meetings	March 16th – 20th, 2026
Deadline for Inquiries	March 27th, 2026
Proposal Submission Deadline	**April 3rd , 2026**

1.4 Proposal Submission Instructions

All proposals must be submitted electronically to the SCTC IT Director at: mangiolini@sagchip.edu

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2. Scope of Work & Technical Requirements

2.1 Core Infrastructure: Server, Storage, and Compute

The vendor must provide a hyper-converged or traditional SAN-based server stack capable of hosting 100+ concurrent Windows 11 virtual desktops.

- **Compute:** Minimum dual-socket processors with high core density.
- **RAM:** Minimum 16GB per VDI instance (1.6TB+ total system RAM).
- **Storage:** All-flash array or NVMe-based HCI storage to mitigate "boot storms".

2.2 Networking: Core Switching & Firewall Integration

- **Core Switching:** Implementation of 10/40/100GbE Core Switching Infrastructure to handle VDI traffic without latency.
- **Firewall:** Integration with existing firewalls, including required VLAN tagging and micro-segmentation.

2.3 VDI Software: Connection Broker & Licensing

Proposals must include Parallels, Omnissa Horizon, Citrix DaaS, or equivalent VDI software solutions.

- Include OS Licensing (Windows VDA) for 60 concurrent users, and hypervisor management (e.g., vSphere Enterprise Plus).

2.4 Endpoint Solutions: Thin Client Hardware

- **Hardware:** 100+ Thin Client Endpoints with dual 4K monitor support, Gigabit Ethernet, and USB redirection.
- **OS:** Secure, centrally managed ThinOS or Linux-based thin client firmware.

2.5 Performance Standards: GPU-Acceleration

At least 25% of the VDI desktops must feature NVIDIA vGPU or equivalent acceleration to support CAD, Media, and Engineering software.

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3. System Architecture & Diagramming

3.1 Mandatory Logical & Physical Architecture Diagram

Bidders must provide a high-resolution diagram illustrating the entire system flow.

3.2 Connectivity Path: Firewall to Thin Client

The diagram and narrative must detail:

1. **External/Internal Firewall** ingress.
2. **Connection Broker/Load Balancer** layer.
3. **Core Switch** fabric and VDI Host connectivity.
4. **Endpoint Thin Client** connectivity.

3.3 Security & Data Segregation

Explain the use of Virtual Local Area Networks (VLANs) and Micro-segmentation to isolate student traffic from administrative data.

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4. Federal Compliance & Regulatory Requirements

4.1 Davis-Bacon Act (DBA) Compliance

This project is federally funded. All laborers and mechanics must be paid the **prevailing wage** and fringe benefits for the geographic location as determined by the Department of Labor (DOL).

4.2 Certified Payroll & Weekly Reporting

Contractors must submit Weekly Certified Payroll Reports (Form WH-347) through the DOL Compliance Portal. Failure to submit will result in payment withholding.

4.3 SAM.gov Registration

Vendors must have an active registration in the System for Award Management (SAM.gov) and provide their Unique Entity ID (UEI).

4.4 Federal Funding Terms (2 CFR 200)

Work must comply with Uniform Administrative Requirements for federal grants, including procurement standards and "Buy American" preferences where applicable.

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5. Implementation & Project Management

5.1 Deployment Phases

1. **Phase I:** Site survey and network readiness assessment.
2. **Phase II:** Hardware racking and core switch configuration.
3. **Phase III:** Golden Image creation and Pilot (10 users).
4. **Phase IV:** Full 100-user rollout.

5.2 Site Survey & Physical Installation

Vendor is responsible for all physical cabling, rack mounting, and thin client deployment in designated labs.

5.3 Training & Documentation

Provide 40 hours of on-site IT Staff Training and comprehensive "As-Built" documentation.

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6. Pricing & Financial Proposal

6.1 Hardware (CAPEX)

- Breakdown of servers, storage, switches, and 100 thin clients.

6.2 Software & Licensing

- Comparison of Perpetual vs. Subscription-based licensing for the VDI stack.

6.3 Implementation & Davis-Bacon Labor

- Itemized labor costs, explicitly identifying Prevailing Wage categories for technicians.

6.4 Recurring Costs (OPEX)

- Annual 24/7 technical support and software maintenance fees for Years 1–5.

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7. Evaluation & Award Criteria

7.1 Scoring Rubric

Category	Weight
Technical Architecture & Performance	35%
Total Cost of Ownership (TCO)	30%
Federal Compliance & DBA Experience	20%
Vendor Qualifications & References	15%

7.2 Bidder Qualifications

Bidders must demonstrate at least five years of experience in Higher Education VDI Deployments.
